API Well Number: 43013515790000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

	1. WELL NAME and NUMBER GMBU W-16-9-16
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** MONUMENT BUTTE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME** GMBU (GRRV)
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY	**7. OPERATOR PHONE** 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052	**9. OPERATOR E-MAIL** mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-64379	**11. MINERAL OWNERSHIP** FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ◉ FEE ○	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	726 FNL 1924 FWL	NENW	21	9.0 S	16.0 E	S
Top of Uppermost Producing Zone	180 FNL 2234 FWL	NENW	21	9.0 S	16.0 E	S
At Total Depth	353 FSL 2559 FWL	SESW	16	9.0 S	16.0 E	S

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 353	**23. NUMBER OF ACRES IN DRILLING UNIT** 20
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1022	**26. PROPOSED DEPTH** MD: 6103 TVD: 5950
27. ELEVATION - GROUND LEVEL 5980	**28. BOND NUMBER** WYB000493	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
PROD	7.875	5.5	0 - 6103	15.5	J-55 LT&C	8.3	Premium Lite High Strength	283	3.26	11.0
							50/50 Poz	363	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	**TITLE** Regulatory Tech	**PHONE** 435 646-4825
SIGNATURE	**DATE** 07/16/2012	**EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013515790000

APPROVAL

Permit Manager

RECEIVED: February 26, 2013

NEWFIELD PRODUCTION COMPANY
GMBU W-16-9-16
AT SURFACE: NE/NW SECTION 21, T9S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1550'
Green River	1550'
Wasatch	6210'
Proposed TD	6103'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1550' – 6210'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

RECEIVED: July 16, 2012

4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU W-16-9-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,103'	15.5	J-55	LTC	4,810 2.48	4,040 2.08	217,000 2.29

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU W-16-9-16

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,103'	Prem Lite II w/ 10% gel + 3% KCl	283 924	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

RECEIVED: July 16, 2012

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

RECEIVED: July 16, 2012

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the fourth quarter of 2012, and take approximately seven (7) days from spud to rig release.

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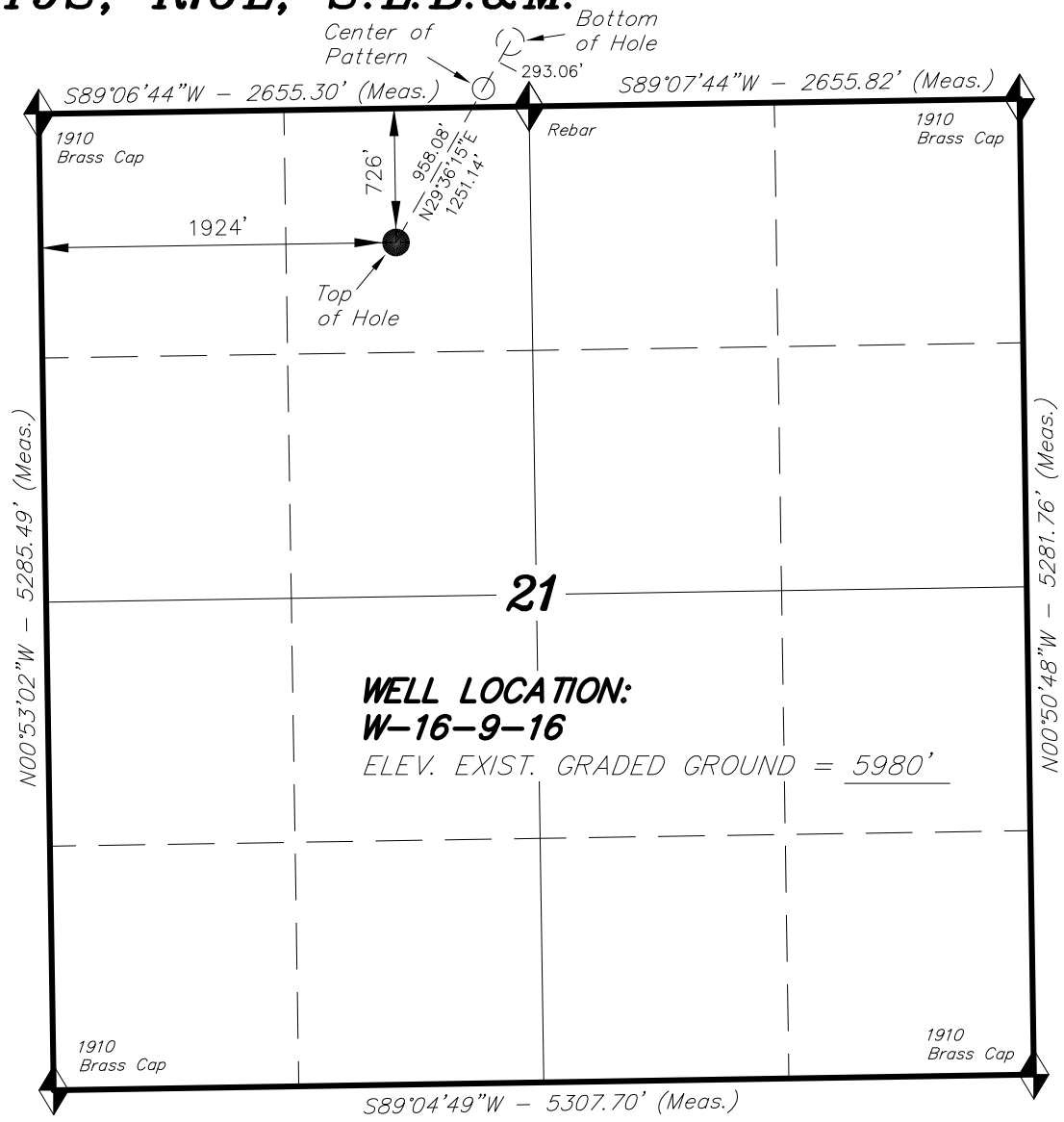
API Well Number: 43013515790000

T9S, R16E, S.L.B.&M.

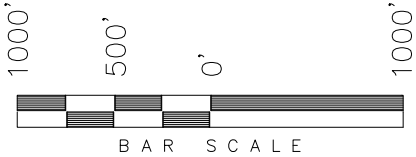


◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, W-16-9-16, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 07-12-12 STACY W. STEWART STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

W-16-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 17.85"
LONGITUDE = 110° 07' 36.83"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-10-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 05-14-12	DRAWN BY: M.W.	V1
REVISED: 07-12-12 M.W.	SCALE: 1" = 1000'	

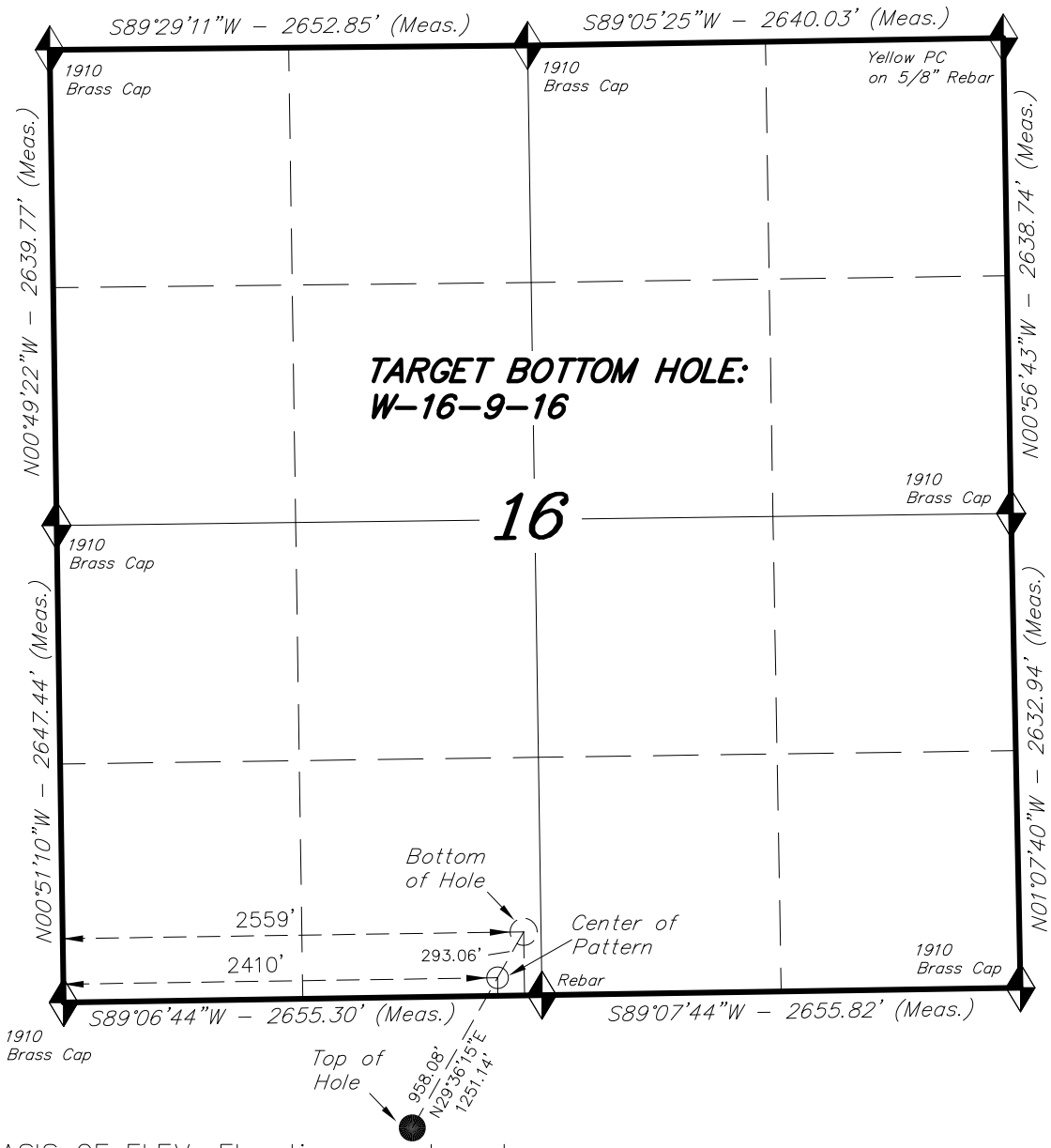
RECEIVED: July 16, 2012

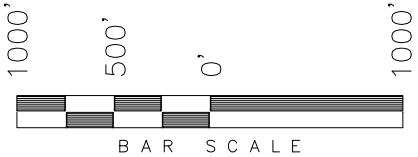
API Well Number: 43013515790000

T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, W-16-9-16,
LOCATED AS SHOWN IN THE SE 1/4
SW 1/4 OF SECTION 16, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.





NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 100' FSL & 2410' FWL.
4. The Bottom of Hole footages are 353' FSL & 2559' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

189377
07-12-12
STACY W.
STEWART
REGISTERED LAND SURVEYOR
STATE OF UTAH

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

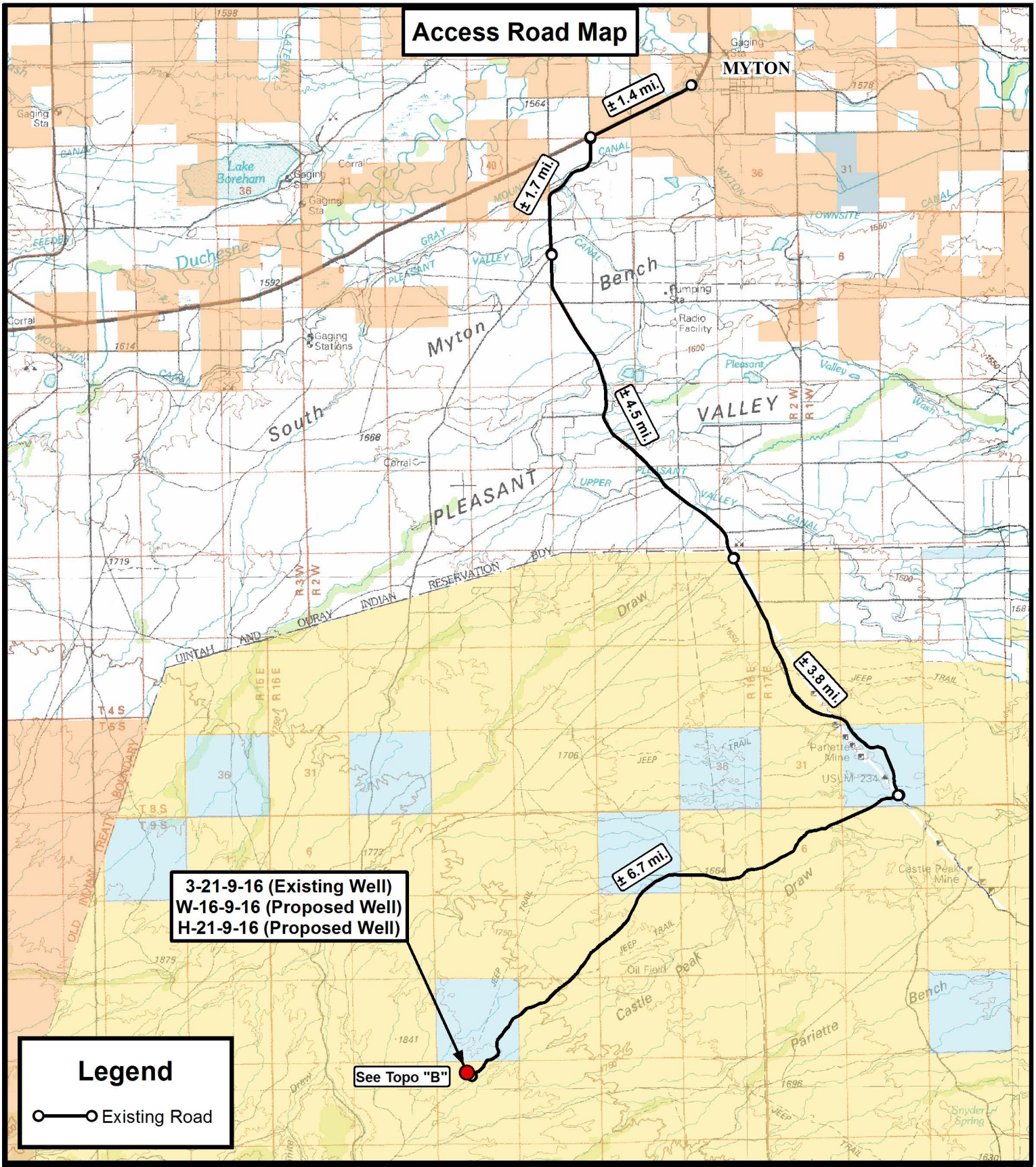
= SECTION CORNERS LOCATED

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-10-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 05-14-12	DRAWN BY: M.W.	V1
REVISED: 07-12-12 M.W.	SCALE: 1" = 1000'	

RECEIVED: July 16, 2012

API Well Number: 43013515790000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

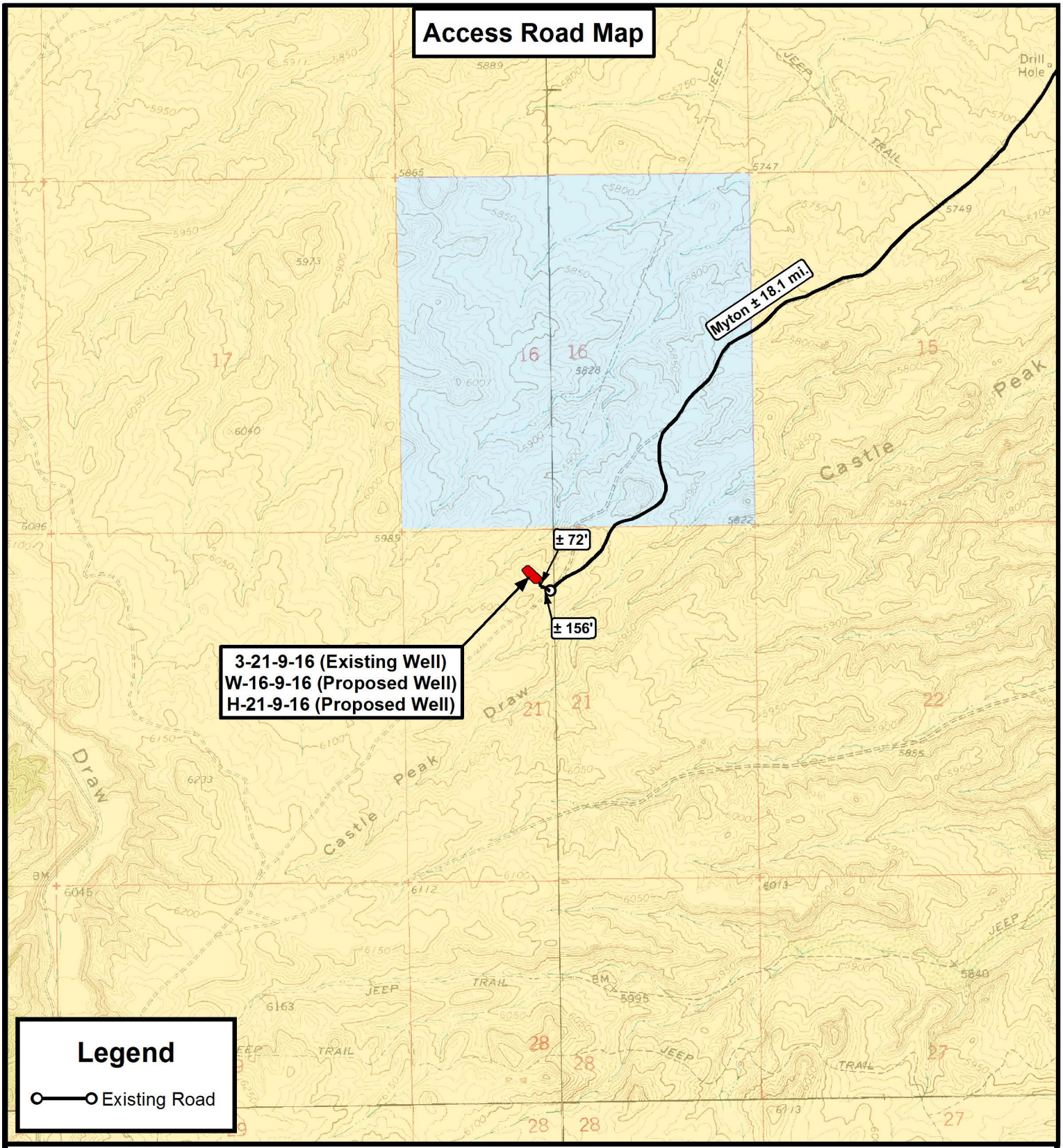
3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED: 07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013515790000



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

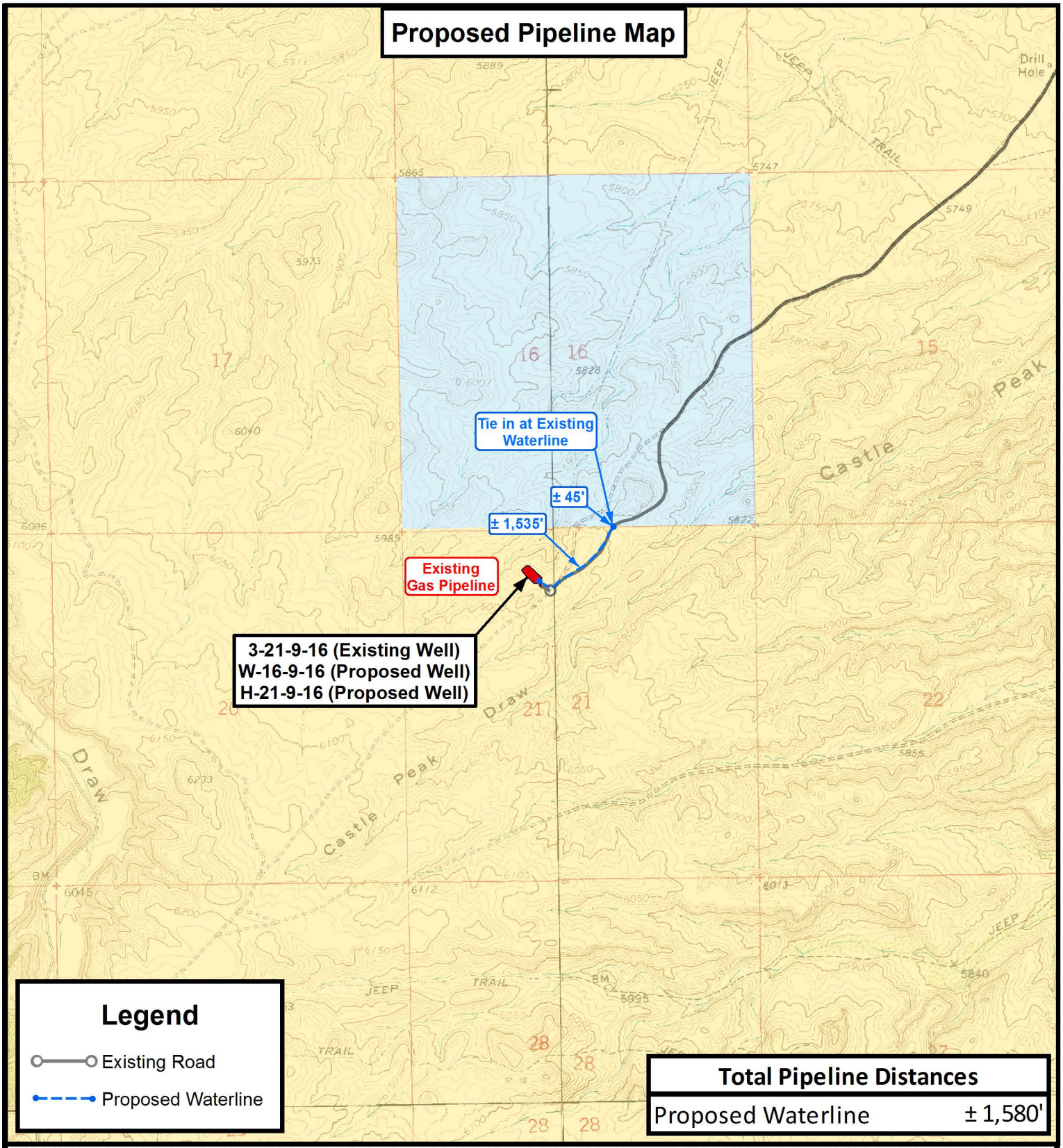
DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012			V1
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013515790000

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Waterline

Total Pipeline Distances	
Proposed Waterline	± 1,580'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

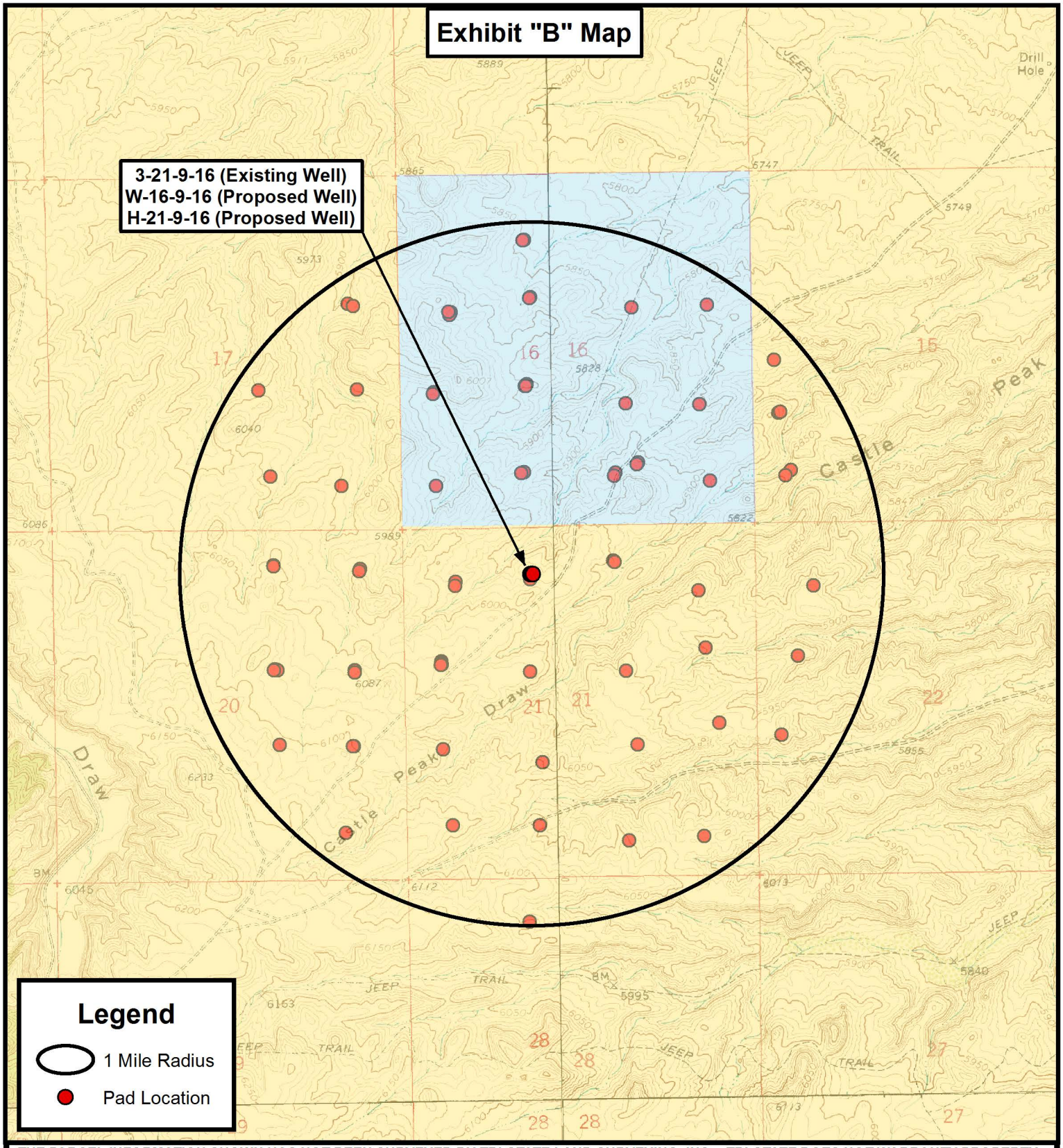
DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012			V1
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013515790000

Exhibit "B" Map



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F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012			V1
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013515790000

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 21 T9S, R16E
W-16-9-16

Wellbore #1

Plan: Design #1

Standard Planning Report

14 May, 2012

RECEIVED: July 16, 2012

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well W-16-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	W-16-9-16 @ 5992.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	W-16-9-16 @ 5992.0ft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**North Reference:**	True
Well:	W-16-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 21 T9S, R16E

Site Position:		**Northing:**	7,178,195.78 ft	**Latitude:**	40° 1' 4.650 N
From:	Lat/Long	**Easting:**	2,023,590.50 ft	**Longitude:**	110° 7' 54.390 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.88 °

Well W-16-9-16, SHL LAT: 40 01 17.85 LONG: -110 07 36.83

Well Position	**+N/-S**	1,335.5 ft	**Northing:**	7,179,552.14 ft	**Latitude:**	40° 1' 17.850 N
	+E/-W	1,366.1 ft	**Easting:**	2,024,935.92 ft	**Longitude:**	110° 7' 36.830 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,992.0 ft	**Ground Level:**	5,980.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/14/2012	11.22	65.74	52,155

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,810.0	0.0	0.0	29.60

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,561.1	14.42	29.60	1,551.0	104.6	59.4	1.50	1.50	0.00	29.60	
4,926.1	14.42	29.60	4,810.0	833.0	473.3	0.00	0.00	0.00	0.00	W-16-9-16 TGT
6,103.1	14.42	29.60	5,950.0	1,087.8	618.1	0.00	0.00	0.00	0.00	

RECEIVED: July 16, 2012

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well W-16-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	W-16-9-16 @ 5992.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	W-16-9-16 @ 5992.0ft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**North Reference:**	True
Well:	W-16-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	29.60	700.0	1.1	0.6	1.3	1.50	1.50	0.00
800.0	3.00	29.60	799.9	4.6	2.6	5.2	1.50	1.50	0.00
900.0	4.50	29.60	899.7	10.2	5.8	11.8	1.50	1.50	0.00
1,000.0	6.00	29.60	999.3	18.2	10.3	20.9	1.50	1.50	0.00
1,100.0	7.50	29.60	1,098.6	28.4	16.1	32.7	1.50	1.50	0.00
1,200.0	9.00	29.60	1,197.5	40.9	23.2	47.0	1.50	1.50	0.00
1,300.0	10.50	29.60	1,296.1	55.6	31.6	64.0	1.50	1.50	0.00
1,400.0	12.00	29.60	1,394.2	72.6	41.2	83.5	1.50	1.50	0.00
1,500.0	13.50	29.60	1,491.7	91.8	52.1	105.5	1.50	1.50	0.00
1,561.1	14.42	29.60	1,551.0	104.6	59.4	120.3	1.50	1.50	0.00
1,600.0	14.42	29.60	1,588.7	113.0	64.2	130.0	0.00	0.00	0.00
1,700.0	14.42	29.60	1,685.5	134.6	76.5	154.9	0.00	0.00	0.00
1,800.0	14.42	29.60	1,782.4	156.3	88.8	179.8	0.00	0.00	0.00
1,900.0	14.42	29.60	1,879.2	177.9	101.1	204.7	0.00	0.00	0.00
2,000.0	14.42	29.60	1,976.1	199.6	113.4	229.6	0.00	0.00	0.00
2,100.0	14.42	29.60	2,072.9	221.2	125.7	254.5	0.00	0.00	0.00
2,200.0	14.42	29.60	2,169.8	242.9	138.0	279.3	0.00	0.00	0.00
2,300.0	14.42	29.60	2,266.6	264.5	150.3	304.2	0.00	0.00	0.00
2,400.0	14.42	29.60	2,363.5	286.2	162.6	329.1	0.00	0.00	0.00
2,500.0	14.42	29.60	2,460.3	307.8	174.9	354.0	0.00	0.00	0.00
2,600.0	14.42	29.60	2,557.2	329.5	187.2	378.9	0.00	0.00	0.00
2,700.0	14.42	29.60	2,654.0	351.1	199.5	403.8	0.00	0.00	0.00
2,800.0	14.42	29.60	2,750.9	372.8	211.8	428.7	0.00	0.00	0.00
2,900.0	14.42	29.60	2,847.7	394.4	224.1	453.6	0.00	0.00	0.00
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3,200.0	14.42	29.60	3,138.3	459.4	261.0	528.3	0.00	0.00	0.00
3,300.0	14.42	29.60	3,235.1	481.0	273.3	553.2	0.00	0.00	0.00
3,400.0	14.42	29.60	3,332.0	502.7	285.6	578.1	0.00	0.00	0.00
3,500.0	14.42	29.60	3,428.8	524.3	297.9	603.0	0.00	0.00	0.00
3,600.0	14.42	29.60	3,525.7	545.9	310.2	627.9	0.00	0.00	0.00
3,700.0	14.42	29.60	3,622.5	567.6	322.5	652.8	0.00	0.00	0.00
3,800.0	14.42	29.60	3,719.4	589.2	334.8	677.7	0.00	0.00	0.00
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4,600.0	14.42	29.60	4,494.2	762.4	433.2	876.9	0.00	0.00	0.00
4,700.0	14.42	29.60	4,591.0	784.1	445.5	901.8	0.00	0.00	0.00
4,800.0	14.42	29.60	4,687.9	805.7	457.8	926.7	0.00	0.00	0.00
4,900.0	14.42	29.60	4,784.7	827.4	470.1	951.6	0.00	0.00	0.00
4,926.1	14.42	29.60	4,810.0	833.0	473.3	958.1	0.00	0.00	0.00
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5,100.0	14.42	29.60	4,978.4	870.7	494.7	1,001.4	0.00	0.00	0.00

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well W-16-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	W-16-9-16 @ 5992.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	W-16-9-16 @ 5992.0ft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**North Reference:**	True
Well:	W-16-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	14.42	29.60	5,075.3	892.3	507.0	1,026.3	0.00	0.00	0.00
5,300.0	14.42	29.60	5,172.2	914.0	519.3	1,051.2	0.00	0.00	0.00
5,400.0	14.42	29.60	5,269.0	935.6	531.6	1,076.1	0.00	0.00	0.00
5,500.0	14.42	29.60	5,365.9	957.3	543.9	1,101.0	0.00	0.00	0.00
5,600.0	14.42	29.60	5,462.7	978.9	556.2	1,125.9	0.00	0.00	0.00
5,700.0	14.42	29.60	5,559.6	1,000.5	568.5	1,150.8	0.00	0.00	0.00
5,800.0	14.42	29.60	5,656.4	1,022.2	580.8	1,175.7	0.00	0.00	0.00
5,900.0	14.42	29.60	5,753.3	1,043.8	593.1	1,200.6	0.00	0.00	0.00
6,000.0	14.42	29.60	5,850.1	1,065.5	605.4	1,225.5	0.00	0.00	0.00
6,103.1	14.42	29.60	5,950.0	1,087.8	618.1	1,251.1	0.00	0.00	0.00

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API Well Number: 43013515790000

NEWFIELD

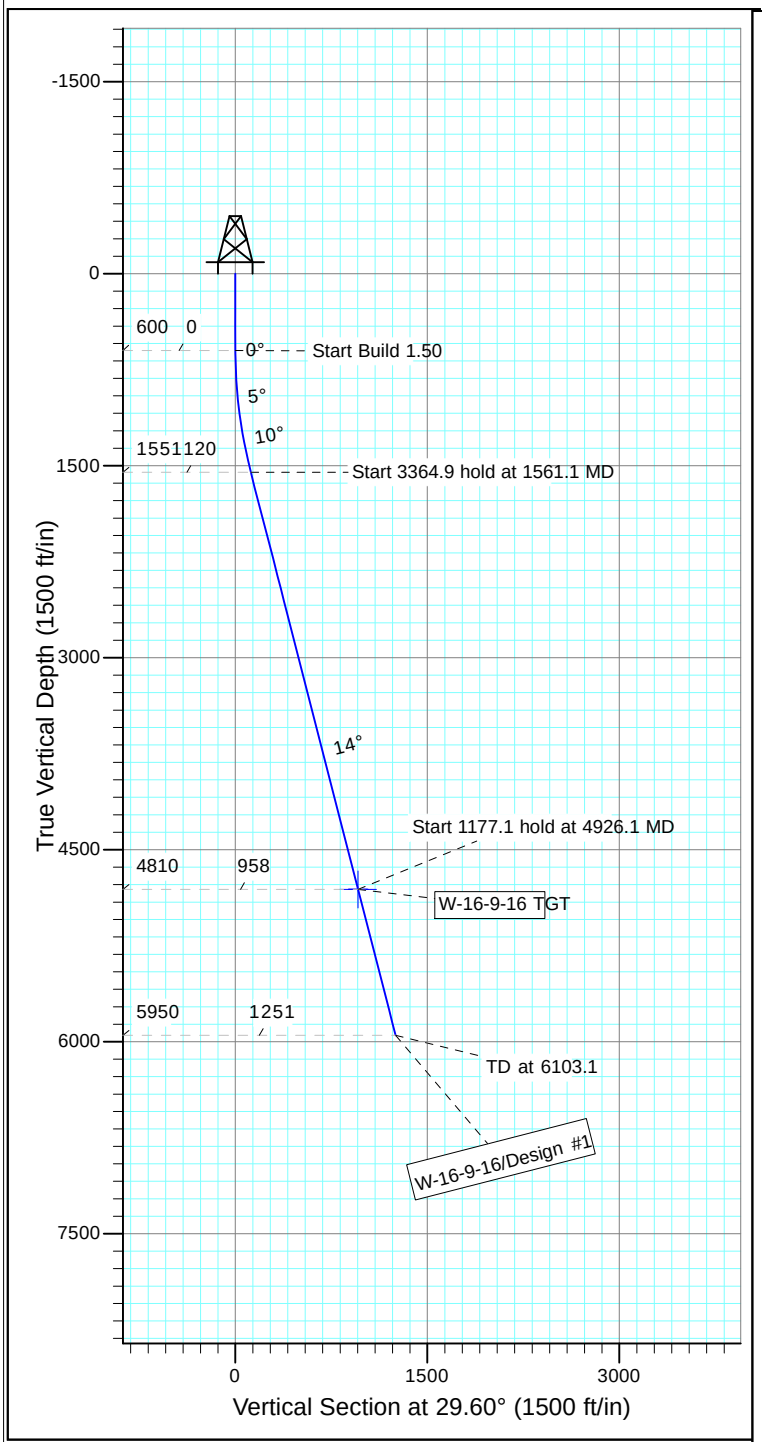
Project: USGS Myton SW (UT)
Site: SECTION 21 T9S, R16E
Well: W-16-9-16
Wellbore: Wellbore #1
Design: Design #1

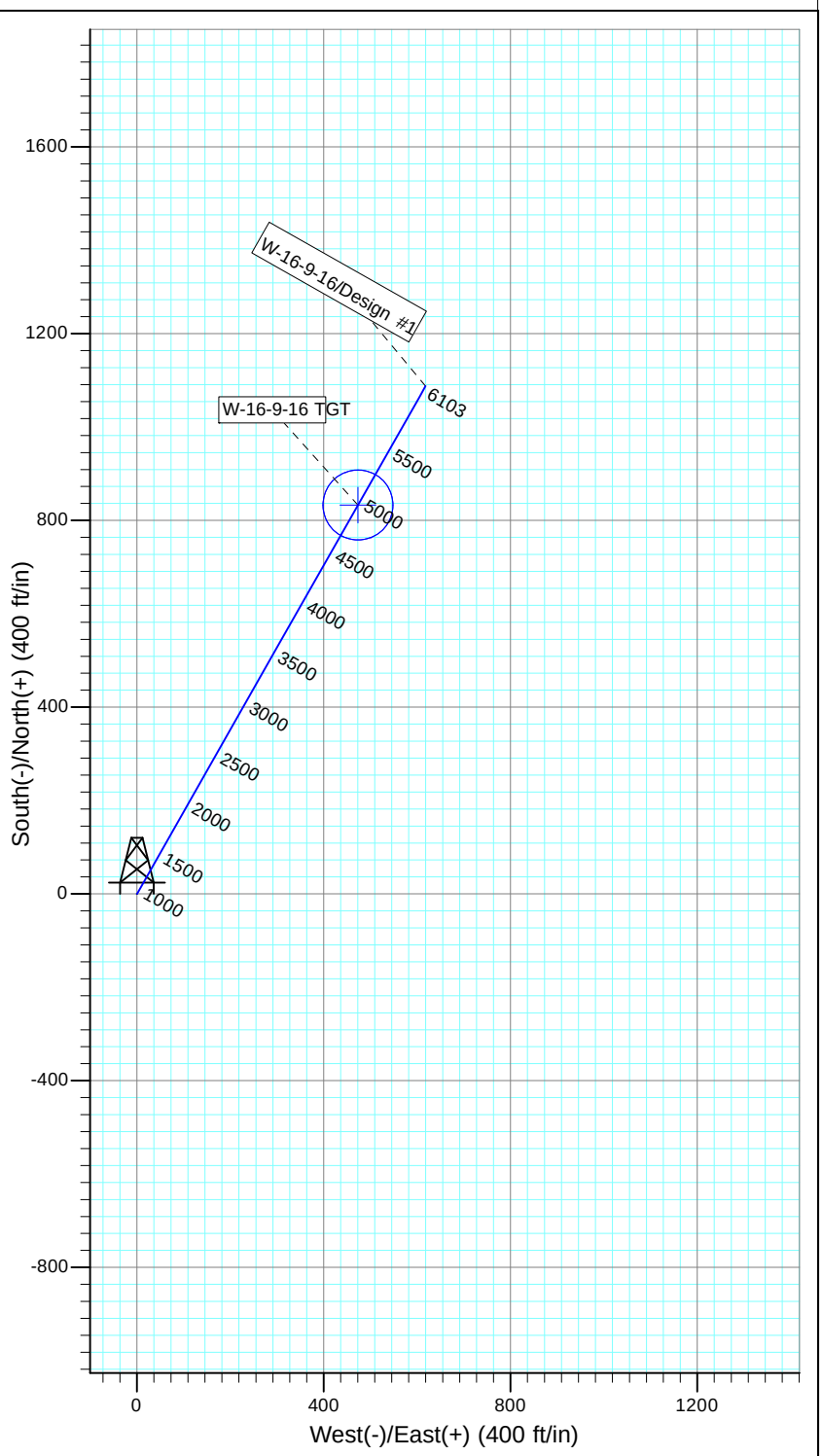
T M

Azimuths to True North
Magnetic North: 11.22°

Magnetic Field
Strength: 52154.5snT
Dip Angle: 65.74°
Date: 5/14/2012
Model: IGRF2010

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
W-16-9-16 TGT	4810.0	833.0	473.3	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1561.1	14.42	29.60	1551.0	104.6	59.4	1.50	29.60	120.3	
4	4926.1	14.42	29.60	4810.0	833.0	473.3	0.00	0.00	958.1	W-16-9-16 TGT
5	6103.1	14.42	29.60	5950.0	1087.8	618.1	0.00	0.00	1251.1	

PAYZONE DIRECTIONAL

NEWFIELD PRODUCTION COMPANY
GMBU W-16-9-16
AT SURFACE: NE/NW SECTION 21, T9S R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU W-16-9-16 located in the NE 1/4 NW 1/4 Section 21, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 10.0 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 6.7 miles ± to it's junction with an existing road to the north; proceed in a northerly direction – 228' ± to the existing 3-21-9-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 3-21-9-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

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Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

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There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. ***WELL SITE LAYOUT***

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. ***SURFACE OWNERSHIP*** – State of Utah.

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-05-MQ-0709b 7/25/05, prepared by Montgomery Archaeological

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Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 1,580' of buried water line be granted. **Refer to Topographic Map "C".** The proposed pipelines will be constructed using the following procedures as outlined in the Greater Monument Butte Green River Development SOP.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

Water Disposal
After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection
The proposed GMBU W-16-9-16 was on-sited on 5/18/12. The following were present; Corie Miller (Newfield Production), Janna Simonsen (Bureau of Land Management), and Dave Gordon (Bureau of Land Management).

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU W-16-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU W-16-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #W-16-9-16, Section 21, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is

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responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

7/30/12
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

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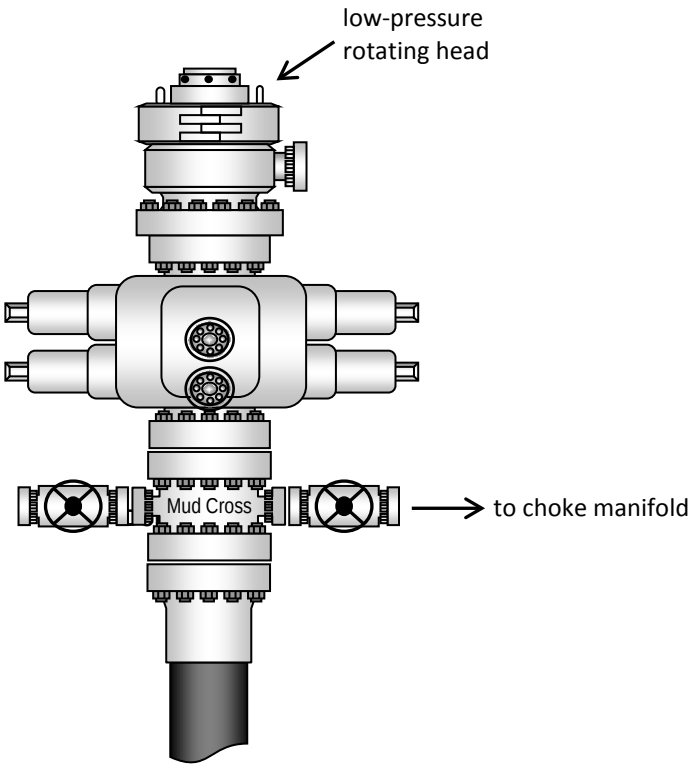
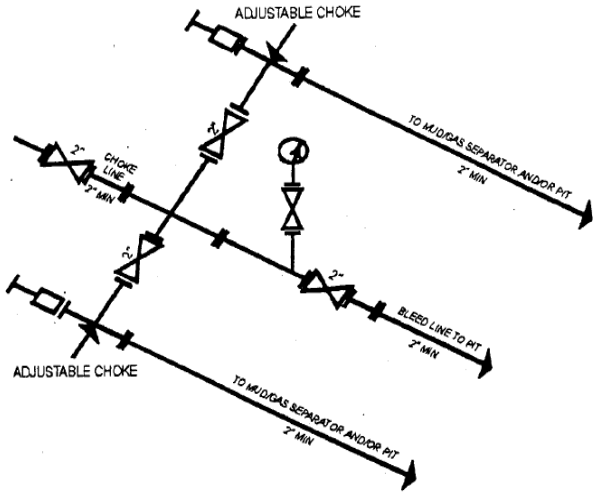
Typical 2M BOP stack configuration





2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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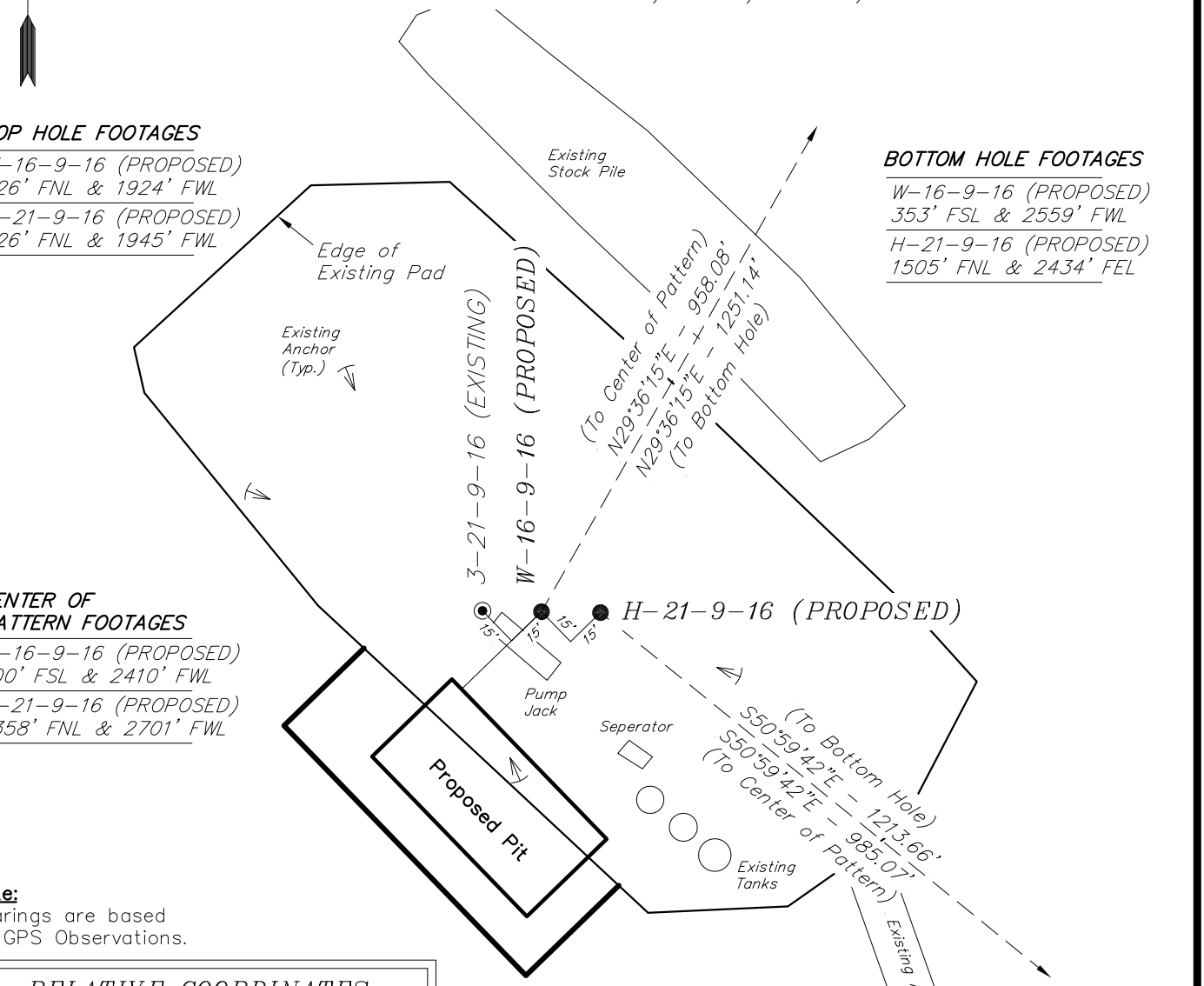
API Well Number: 43013515790000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)

Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

W-16-9-16 (PROPOSED)
726' FNL & 1924' FWL

H-21-9-16 (PROPOSED)
726' FNL & 1945' FWL

BOTTOM HOLE FOOTAGES

W-16-9-16 (PROPOSED)
353' FSL & 2559' FWL

H-21-9-16 (PROPOSED)
1505' FNL & 2434' FEL

CENTER OF PATTERN FOOTAGES

W-16-9-16 (PROPOSED)
100' FSL & 2410' FWL

H-21-9-16 (PROPOSED)
1358' FNL & 2701' FWL

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES
From Top Hole to C.O.P.

WELL	NORTH	EAST
W-16-9-16	833'	473'
H-21-9-16	-620'	765'

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
W-16-9-16	1,088'	618'
H-21-9-16	-764'	943'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
3-21-9-16	40° 01' 17.86"	110° 07' 37.10"
W-16-9-16	40° 01' 17.85"	110° 07' 36.83"
H-21-9-16	40° 01' 17.85"	110° 07' 36.56"

SURVEYED BY: C.S.	DATE SURVEYED: 01-10-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 05-14-12	V1
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: July 16, 2012

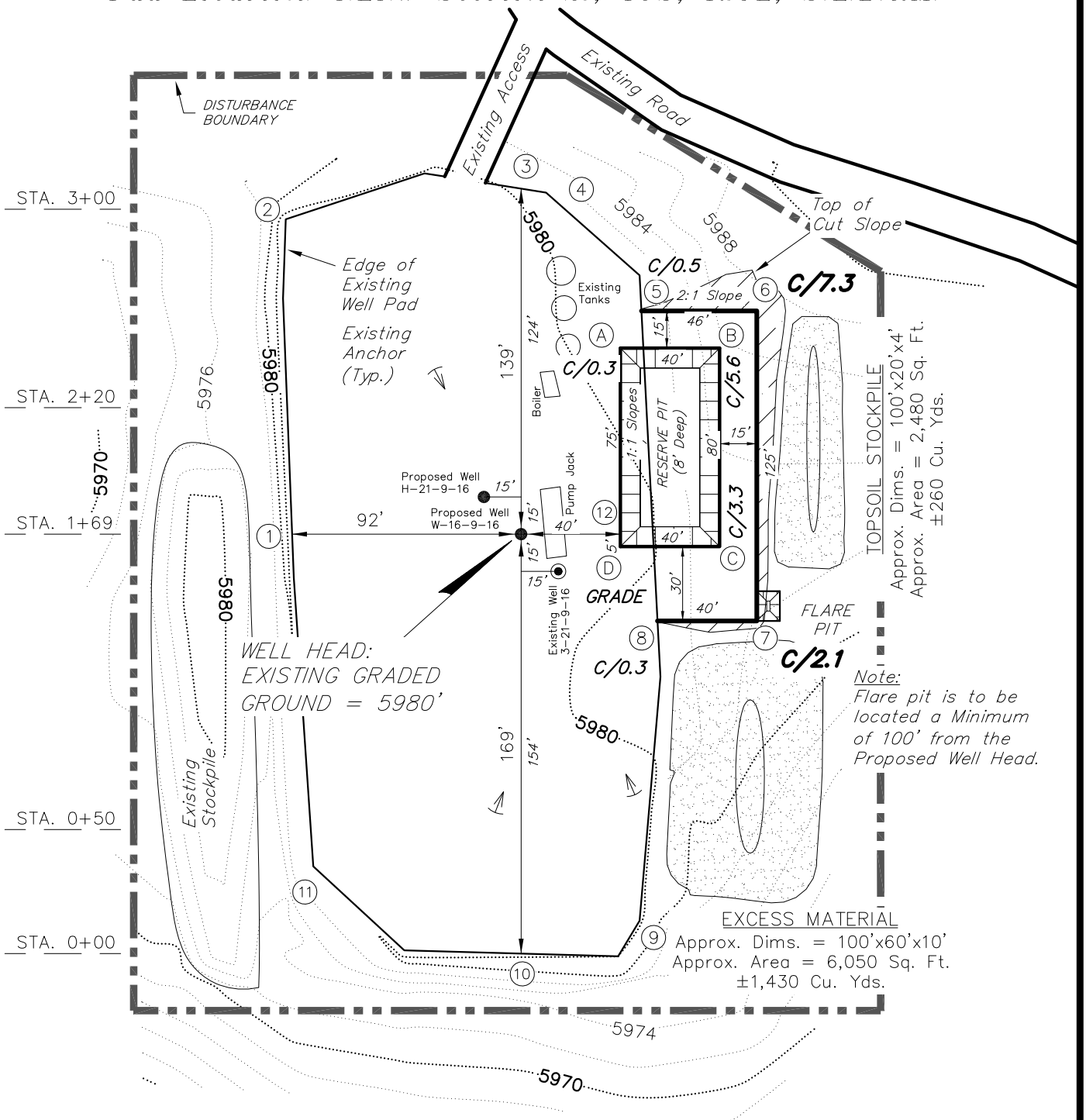
API Well Number: 43013515790000

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)

Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.



Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

NOTE:
The topsoil & excess material areas are calculated as being mounds containing 1,690 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:
Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

SURVEYED BY: C.S.	DATE SURVEYED: 01-10-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 03-26-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12		

RECEIVED: July 16, 2012

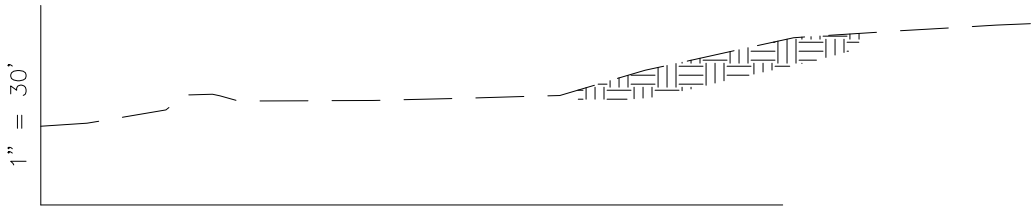
API Well Number: 43013515790000

NEWFIELD EXPLORATION COMPANY

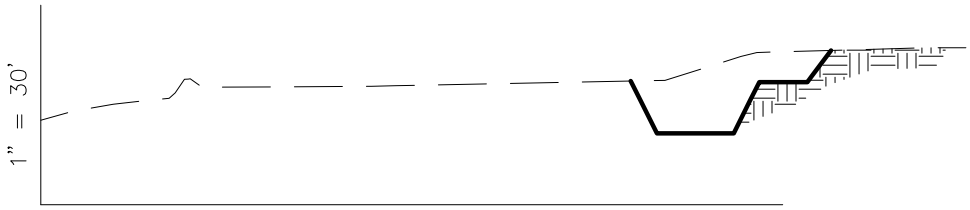
CROSS SECTIONS

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)

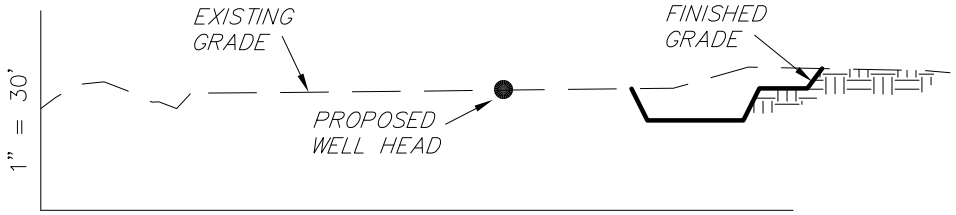
Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.



STA. 3+00



STA. 2+20



STA. 1+69

STA. 0+50

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	610	0	Topsoil is not included in Pad Cut	610
PIT	690	0		690
TOTALS	1,300	0	240	1,300

SURVEYED BY: C.S.	DATE SURVEYED: 01-10-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 03-26-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12		

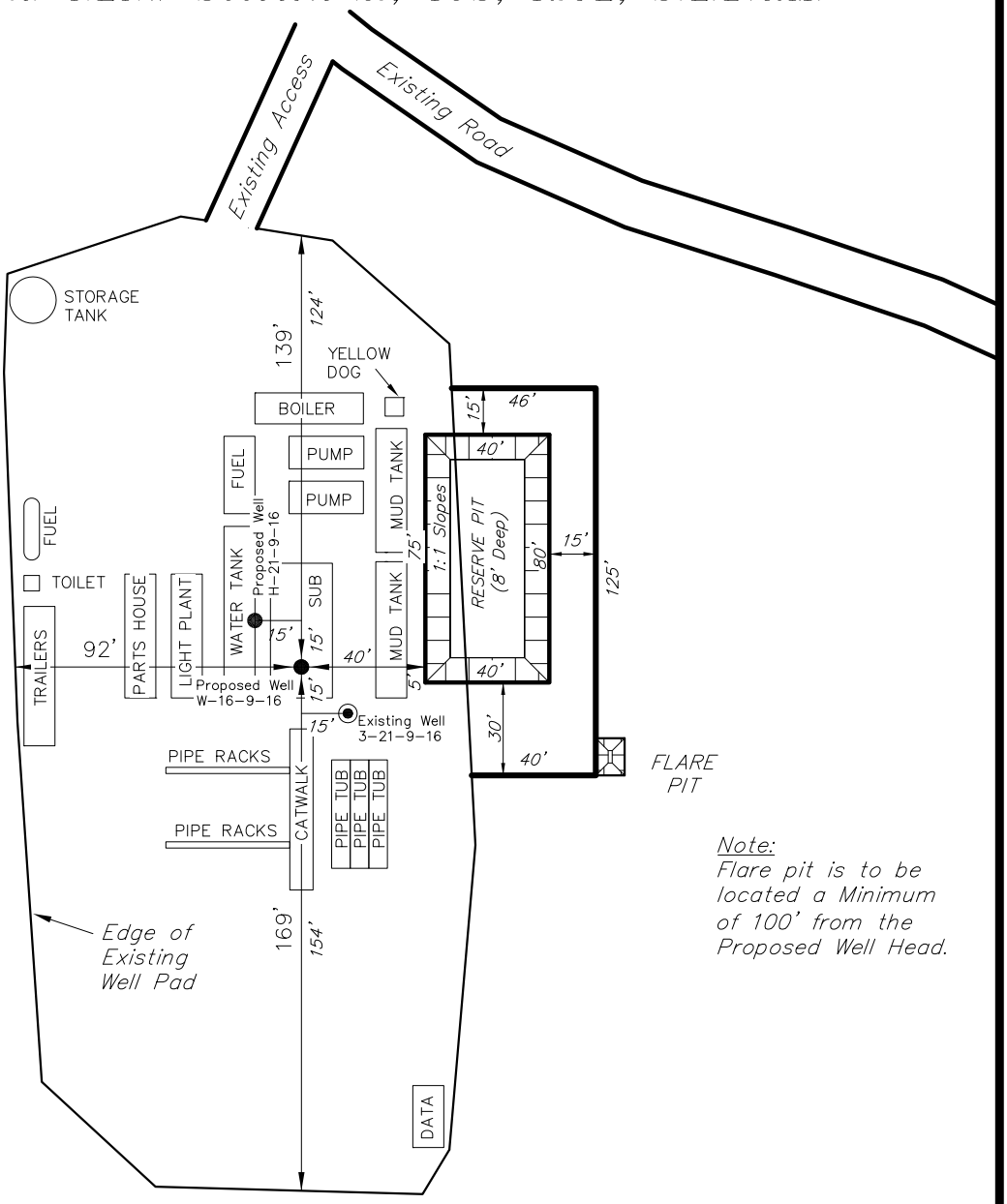
RECEIVED: July 16, 2012

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)

Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.



Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

SURVEYED BY: C.S.	DATE SURVEYED: 01-10-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 03-26-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12		

RECEIVED: July 16, 2012

NEWFIELD
ROCKY MOUNTAINS

VIA ELECTRONIC DELIVERY

July 23, 2012

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU W-16-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 21: NENW (UTU-64379)
726' FNL 1924' FWL

At Target: T9S-R16E Section 16: SESW (UTU-16532)
353' FSL 2559' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 7/19/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-exiting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Leslie Burget

Leslie Burget
Land Associate

API Well Number: 43013515790000

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU64379

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
GREATER MONUMENT

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
GMBU W-16-9-16

2. Name of Operator
NEWFIELD PRODUCTION COMPANY
Contact: MANDIE CROZIER
Email: mcrozier@newfield.com

9. API Well No.

3a. Address
ROUTE #3 BOX 3630
MYTON, UT 84052

3b. Phone No. (include area code)
Ph: 435-646-4825
Fx: 435-646-3031

10. Field and Pool, or Exploratory
MONUMENT BUTTE

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NENW 726FNL 1924FWL

At proposed prod. zone SESW 353FSL 2559FWL

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 21 T9S R16E Mer SLB

14. Distance in miles and direction from nearest town or post office*
18.2

12. County or Parish
DUCHESNE

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
353'

16. No. of Acres in Lease
1626.30

17. Spacing Unit dedicated to this well
20.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
1022'

19. Proposed Depth
6103 MD
5950 TVD

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KB, RT, GL, etc.
5980 GL

22. Approximate date work will start
10/31/2012

23. Estimated duration
7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	MANDIE CROZIER Ph: 435-646-4825	07/19/2012

Title
REGULATORY ANALYST

Approved by (Signature)	Name (Printed/Typed)	Date

Title	Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #143461 verified by the BLM Well Information System
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal

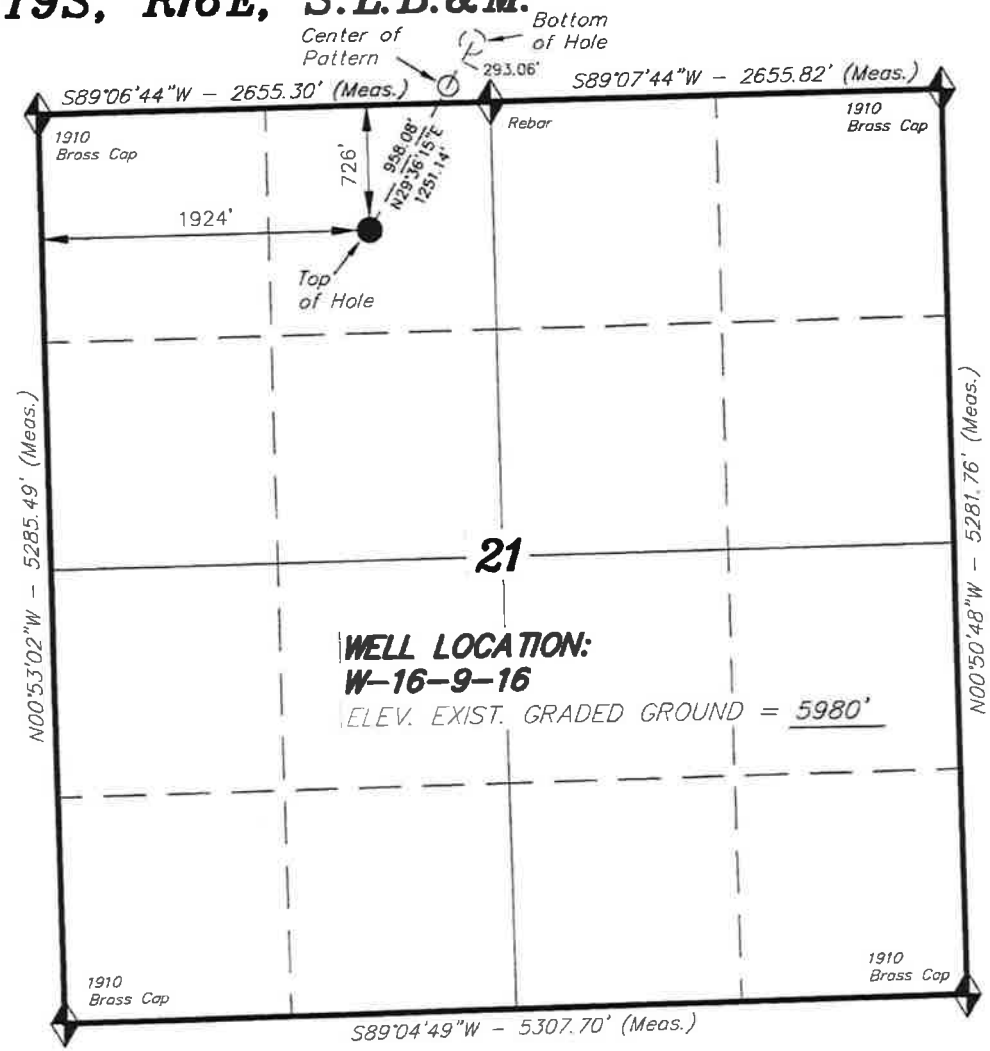
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

API Well Number: 43013515790000

Additional Operator Remarks:

SURFACE LEASE: UTU-64379
BOTTOM HOLE LEASE: UTU-16532

T9S, R16E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, W-16-9-16, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0 1000'

BAR SCALE

N

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

07-12-12
STACY W. STEWART

REGISTERED LAND SURVEYOR
STATE OF UTAH

W-16-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 17.85"
LONGITUDE = 110° 07' 36.83"

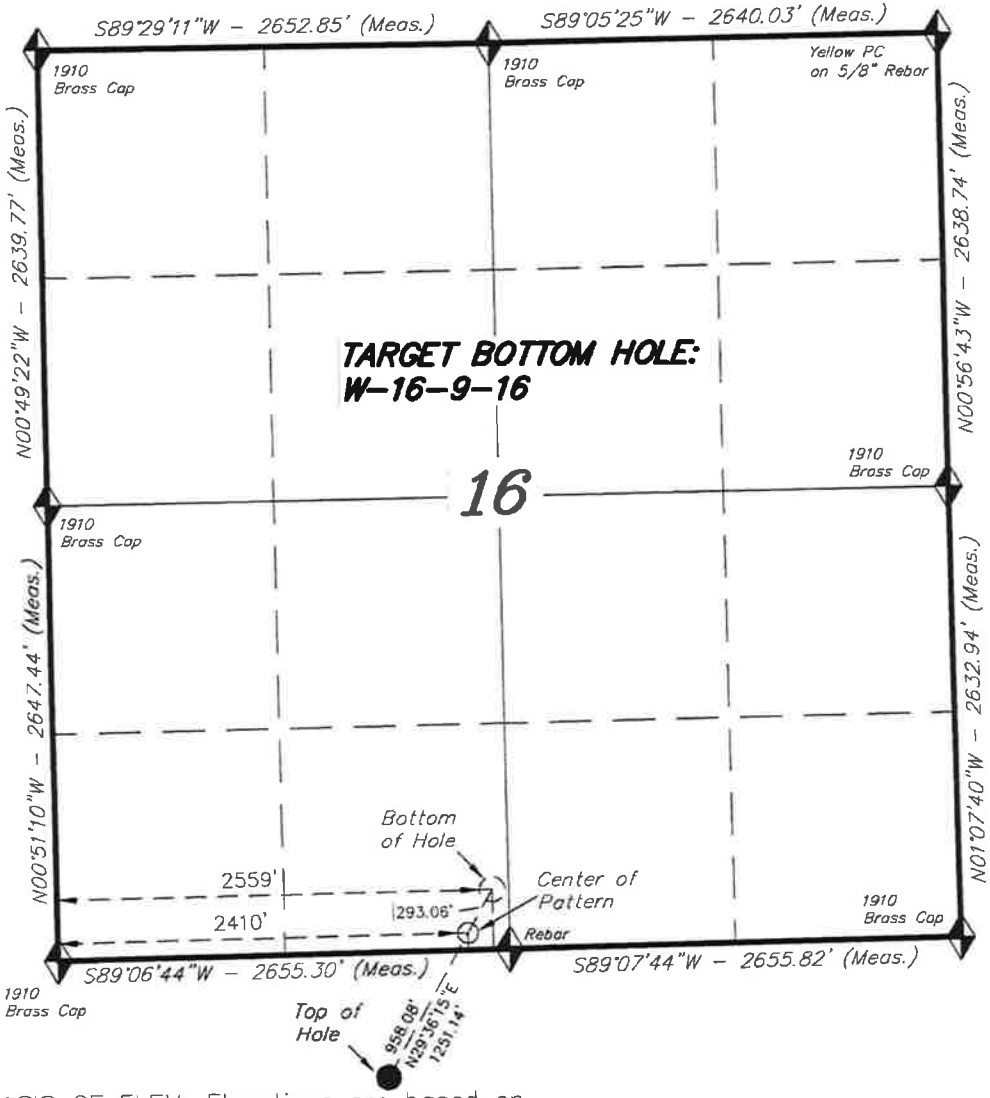
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

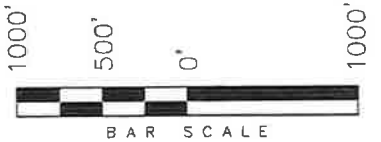
DATE SURVEYED: 01-10-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 05-14-12	DRAWN BY: M.W.	V1
REVISED: 07-12-12 M.W.	SCALE: 1" = 1000'	

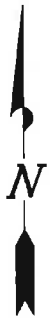
T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, W-16-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 16, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



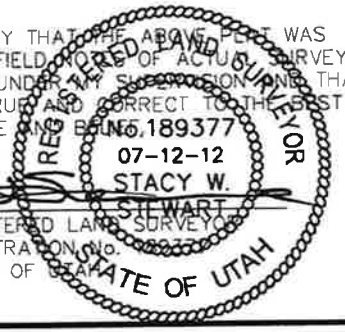




NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 100' FSL & 2410' FWL.
4. The Bottom of Hole footages are 353' FSL & 2559' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

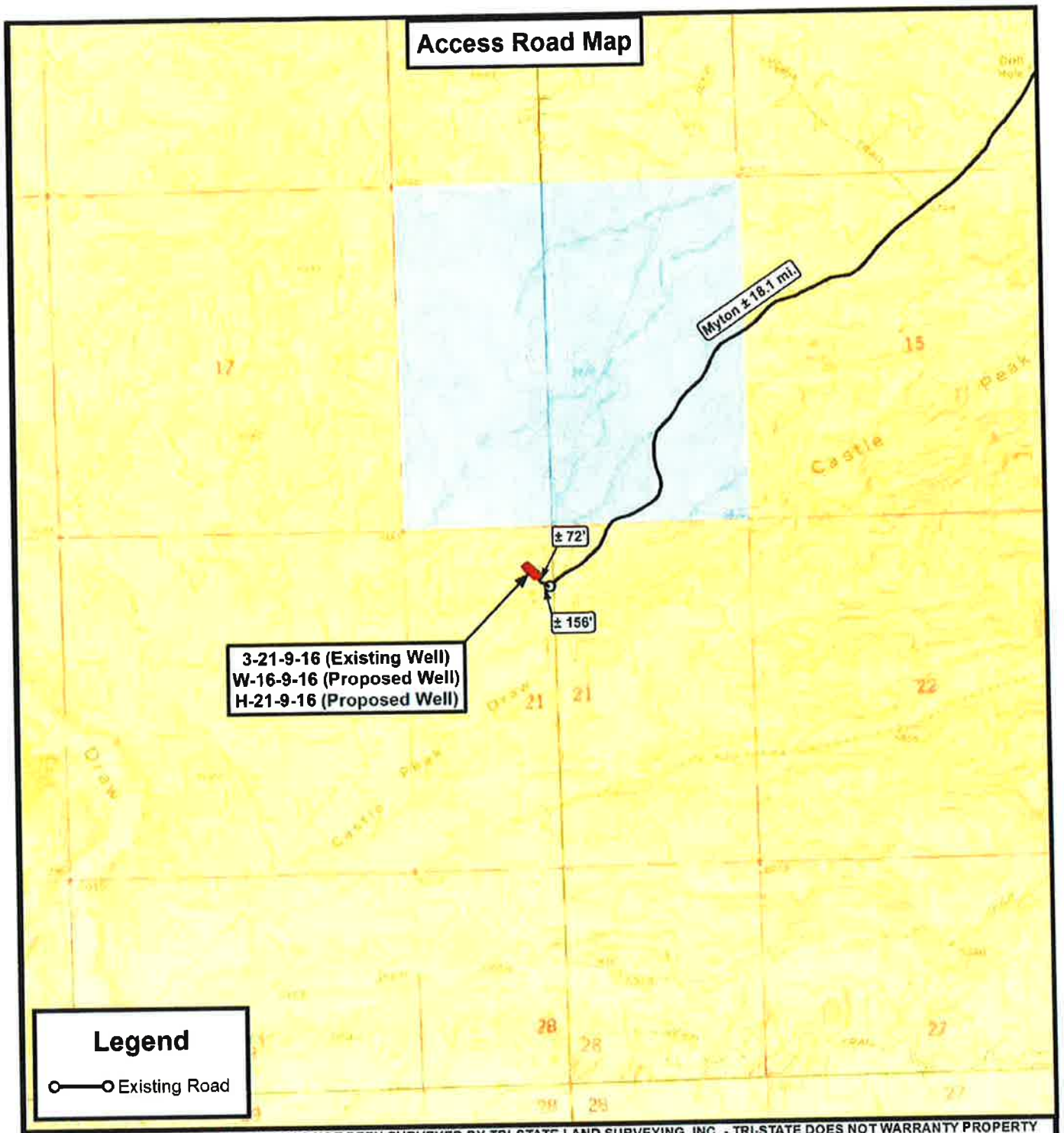
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

= SECTION CORNERS LOCATED

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-10-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 05-14-12	DRAWN BY: M.W.	V1
REVISED: 07-12-12 M.W.	SCALE: 1" = 1000'	

API Well Number: 43013515790000



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

3-21-9-16 (Existing Well)
W-16-9-16 (Proposed Well)
H-21-9-16 (Proposed Well)
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R	REVISED: 07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 31, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51563	GMBU H-8-9-16	Sec 08 T09S R16E 2023 FNL 2183 FEL BHL Sec 08 T09S R16E 1169 FNL 2473 FWL
43-013-51564	GMBU H-20-9-16	Sec 20 T09S R16E 2110 FNL 1934 FEL BHL Sec 20 T09S R16E 1152 FNL 2457 FWL
43-013-51565	GMBU R-8-9-16	Sec 08 T09S R16E 0710 FSL 1908 FEL BHL Sec 08 T09S R16E 1512 FSL 2314 FWL
43-013-51566	GMBU P-14-9-15	Sec 15 T09S R15E 0763 FSL 0423 FEL BHL Sec 14 T09S R15E 1561 FSL 0172 FWL
43-013-51567	GMBU M-18-9-16	Sec 18 T09S R16E 2014 FSL 1914 FEL BHL Sec 18 T09S R16E 2424 FNL 2307 FWL
43-013-51568	GMBU J-20-9-16	Sec 21 T09S R16E 2041 FNL 0553 FWL BHL Sec 20 T09S R16E 1154 FNL 0095 FEL
43-013-51569	GMBU G-21-9-16	Sec 21 T09S R16E 2062 FNL 0557 FWL BHL Sec 21 T09S R16E 1276 FNL 1556 FWL
43-013-51570	GMBU S-14-9-15	Sec 14 T09S R15E 1963 FSL 0882 FEL BHL Sec 14 T09S R15E 1068 FSL 1301 FEL

RECEIVED: July 31, 2012

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51571	GMBU I-18-9-16	Sec 18 T09S R16E 1936 FNL 1914 FEL
		BHL Sec 18 T09S R16E 1062 FNL 0820 FEL
43-013-51572	GMBU L-18-9-16	Sec 18 T09S R16E 1955 FNL 1924 FEL
		BHL Sec 18 T09S R16E 2485 FNL 0972 FEL
43-013-51573	GMBU H-17-9-16	Sec 17 T09S R16E 1944 FNL 2044 FWL
		BHL Sec 17 T09S R16E 0993 FNL 2432 FEL
43-013-51574	GMBU S-15-9-15	Sec 15 T09S R15E 0768 FSL 0444 FEL
		BHL Sec 15 T09S R15E 1317 FSL 1367 FEL
43-013-51575	GMBU O-13-9-15	Sec 14 T09S R15E 1952 FSL 0864 FEL
		BHL Sec 13 T09S R15E 2537 FNL 0036 FWL
43-013-51576	GMBU Q-14-9-15	Sec 14 T09S R15E 2061 FSL 1946 FWL
		BHL Sec 14 T09S R15E 1147 FSL 1132 FWL
43-013-51577	GMBU L-20-9-16	Sec 20 T09S R16E 2117 FNL 1914 FEL
		BHL Sec 20 T09S R16E 2522 FSL 1123 FEL
43-013-51578	GMBU R-14-9-15	Sec 14 T09S R15E 2057 FSL 1967 FWL
		BHL Sec 14 T09S R15E 1037 FSL 2623 FEL
43-013-51579	GMBU W-16-9-16	Sec 21 T09S R16E 0726 FNL 1924 FWL
		BHL Sec 16 T09S R16E 0353 FSL 2559 FWL
43-013-51580	GMBU L-23-9-15	Sec 23 T09S R15E 2041 FSL 0713 FEL
		BHL Sec 23 T09S R15E 2545 FNL 1706 FEL
43-013-51581	GMBU N-17-9-16	Sec 17 T09S R16E 1965 FNL 2048 FWL
		BHL Sec 17 T09S R16E 2306 FSL 1008 FWL
43-013-51582	GMBU H-21-9-16	Sec 21 T09S R16E 0726 FNL 1945 FWL
		BHL Sec 21 T09S R16E 1505 FNL 2434 FEL
43-013-51587	GMBU J-17-9-16	Sec 16 T09S R16E 2100 FNL 0750 FWL
		BHL Sec 17 T09S R16E 0988 FNL 0237 FEL
43-013-51588	GMBU J-17-9-16	Sec 16 T09S R16E 2100 FNL 0750 FWL
		BHL Sec 17 T09S R16E 0988 FNL 0237 FEL
43-013-51589	GMBU C-17-9-16	Sec 08 T09S R16E 0704 FSL 1929 FEL
		BHL Sec 17 T09S R16E 0329 FNL 2480 FWL
43-013-51590	GMBU P-24-9-15	Sec 23 T09S R15E 2038 FSL 0692 FEL
		BHL Sec 24 T09S R15E 1073 FSL 0180 FWL

RECEIVED: July 31, 2012

Please be advised that the GMBU J-17-9-16 has erroneously been entered twice into the UDOGM system under API Number 43-013-51587 and 43-013-51588.

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

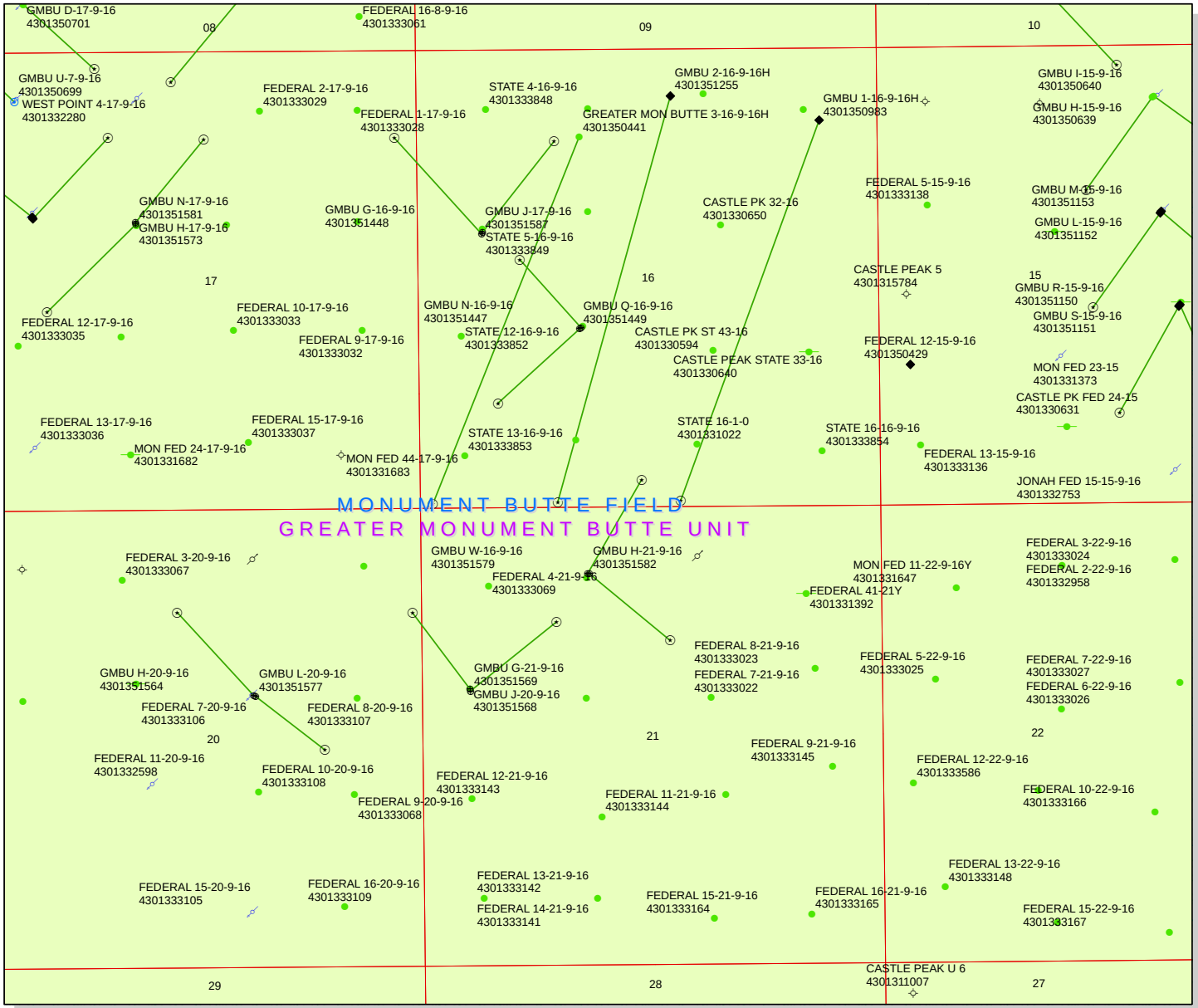
Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.07.31 09:41:28 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-31-12

RECEIVED: July 31, 2012

API Well Number: 43013515790000



API Number: 4301351579

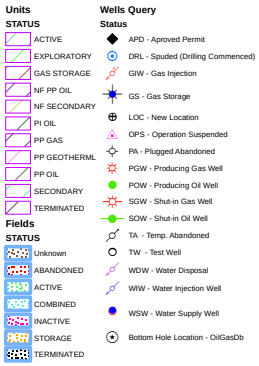
Well Name: GMBU W-16-9-16

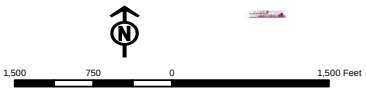
Township T09.0S Range R16.0E Section 21

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason





1:14,255

RECEIVED: July 31, 2012

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY
Well Name	GMBU W-16-9-16
API Number	43013515790000 **APD No** 6436 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4	NENW **Sec** 21 **Tw** 9.0S **Rng** 16.0E 726 FNL 1924 FWL
GPS Coord (UTM)	574504 4430524 **Surface Owner**

Participants

Shon McKinnon - Newfield

Regional/Local Setting & Topography

New hole on existing pad. Host well is the 3-21-9-16.
Looks like pad is in good shape and see no additional situations of concern.

Surface Use Plan

Current Surface Use

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required?

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potental Observed?	Cultural Survey Run?	Cultural Resources?

Reserve Pit

Site-Specific Factors	Site Ranking

RECEIVED: February 26, 2013

API Well Number: 43013515790000

Distance to Groundwater (feet)
Distance to Surface Water (feet)
Dist. Nearest Municipal Well (ft)
Distance to Other Wells (feet)
Native Soil Type
Fluid Type
Drill Cuttings
Annual Precipitation (inches)
Affected Populations
Presence Nearby Utility Conduits

Final Score Sensitivity Level

Characteristics / Requirements

Closed Loop Mud Required? **Liner Required?** **Liner Thickness** **Pit Underlayment Required?**

Other Observations / Comments

Chris Jensen — **Evaluator**

2/13/2013 — **Date / Time**

RECEIVED: February 26, 2013

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
6436	43013515790000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	GMBU W-16-9-16		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	NENW 21 9S 16E S 726 FNL 1924 FWL GPS Coord (UTM) 574502E 4430513N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill — **APD Evaluator**

2/26/2013 — **Date / Time**

Surface Statement of Basis

New hole located on existing pad. Host well is the 3-21-9-16.
Looks like pad is in good shape and see no additional situations of concern.

Chris Jensen — **Onsite Evaluator**

2/13/2013 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: February 26, 2013

API Well Number: 43013515790000

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/16/2012 **API NO. ASSIGNED:** 43013515790000
WELL NAME: GMBU W-16-9-16
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: NENW 21 090S 160E **Permit Tech Review:** ☑
SURFACE: 0726 FNL 1924 FWL **Engineering Review:** ☐
BOTTOM: 0353 FSL 2559 FWL **Geology Review:** ☑
COUNTY: DUCHESNE
LATITUDE: 40.02154 **LONGITUDE:** -110.12693
UTM SURF EASTINGS: 574502.00 **NORTHINGS:** 4430513.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-64379 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
SURFACE OWNER: 3 - State **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11
Effective Date: 11/30/2009
Siting: Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
15 - Directional - dmason
27 - Other - bhill

RECEIVED: February 26, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: GMBU W-16-9-16
API Well Number: 43013515790000
Lease Number: UTU-64379
Surface Owner: STATE
Approval Date: 2/26/2013

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the

following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU W-16-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013515790000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0726 FNL 1924 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 11/26/2013	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 11/26/2013 Drill and set 5' of 14" conductor drill f/ 5' to 328' KB of 12 1/4 hole P/U and run 7 joints of 8 5/8 casing set depth 323' KB. On 11/29/13 Cement W/200 sx of G Neat cement returned 10 bbls back to pit.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 03, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian
SIGNATURE N/A		**DATE** 12/3/2013

NEWFIELD

Casing

Conductor

Legal Well Name	Wellbore Name
GMBU W-16-9-16	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013515790000	NENW 726 FNL 1924 FWL Sec 21 R16E Mer SLB	GMBU CTB5	Development	Slant

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500353413	Duchesne	Utah	11/26/2013 08:00	

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	15	11/26/2013	11/26/2013

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Conductor	15	11/26/2013	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40		1	5.00	10.0	15.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

NEWFIELD

Casing

Surface

Legal Well Name	Wellbore Name
GMBU W-16-9-16	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013515790000	NENW 726 FNL 1924 FWL Sec 21 R16E Mer SLB	GMBU CTB5	Development	Slant

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500353413	Duchesne	Utah	11/26/2013 08:00	

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	15	11/26/2013	11/26/2013
Vertical	12 1/4	15	328	11/26/2013	11/26/2013

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	323	11/26/2013	

Centralizers	Scratchers
3	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.30	10.0	12.3			
Cut off	8 5/8	8.097	24.00	J-55	ST&C	1	42.85	12.3	55.2			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	222.83	55.2	278.0			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	278.0	279.0			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	42.45	279.0	321.4			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	321.4	322.9			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #29
Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU W-16-9-16
Qtr/Qtr NE/NW Section 21 Township 9S Range 16E
Lease Serial Number UTU-64379
API Number 43-013-51579

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11/26/13 7:00 AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 11/26/13 3:00 AM ☐ PM ☐

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

RECEIVED
NOV 25 2013
DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Ryan Crum Phone Number 823-7065
Well Name/Number GMBU W-16-9-16
Qtr/Qtr NE/NW Section 21 Township 9s Range 16e
Lease Serial Number UTU-64379
API Number 43-013-51579

TD Notice – TD is the final drilling depth of hole.

Date/Time 12/9/13 2:00 AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 12/9/13 12:00 AM ☐ PM ☐

RECEIVED
DEC 08 2013
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU W-16-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013515790000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0726 FNL 1924 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 1/15/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was placed on production on 01/15/2014 at 13:30 hours. Production Start sundry re-sent on 03/03/2014.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 04, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician
SIGNATURE N/A		**DATE** 3/3/2014

RECEIVED: Mar. 03, 2014

API Well Number: 43013515790000

PBTVD 6040'

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU64379

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: UTU87538X

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: GMBU W-16-9-16

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. *(include area code)*: Ph:435-646-3721

9. API Well No.: 4301351579

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 726' FNL 1924' FWL (NE/NW) SEC 21 T9S R16E (UTU-64379)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 21 T9S R16E Mer SLB

At top prod. interval reported below: 34' FNL 2318' FWL (NE/NW) SEC 21 T9S R16E (UTU-64379)

At total depth: 373' FSL 2549' FWL (SE/SW) SEC 16 T9S R16E (UTU-16532)

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
11/26/2013	12/10/2013	☐ D & A ☑ Ready to Prod. 01/10/2014	5980' GL 5990' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6249' TVD 6100	MD 6188' TVD	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	323'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6234'		270 Econocem		70'	
						480Expandacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@5781'	TA@5680'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4110'	5688'	4110' - 5688' MD	0.34	60	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4110' - 5688' MD	Frac w/ 218,300#s of 20/40 white sand in 2,512 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/15/14	1/25/14	24	→	23	2	20			2.5 X 1.75 X 20' X 24' RHAC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED: Feb. 04, 2014

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	3697'
				GARDEN GULCH 1	3919'
				GARDEN GULCH 2	4030'
				POINT 3	4290'
				X MRKR	4571'
				Y MRKR	4604'
				DOUGLAS CREEK MRK	4724'
				BI CARBONATE MRK	4966'
				B LIMESTONE MRK	5073'
				CASTLE PEAK	5603'
				BASAL CARBONATE	6086'
				WASATCH	6217'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 02/03/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

RECEIVED: Feb. 04, 2014

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 21 T9S, R16E
W-16-9-16
Wellbore #1

Design: Actual

End of Well Report

10 December, 2013

PAYZONE DIRECTIONAL

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 21 T9S, R16E

Site Position:		**Northing:**	7,178,195.78 usft	**Latitude:**	40° 1' 4.650 N
From:	Lat/Long	**Easting:**	2,023,590.50 usft	**Longitude:**	110° 7' 54.390 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.88 °

Well W-16-9-16, SHL LAT: 40 01 17.85 LONG: -110 07 36.83

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,179,552.14 usft	**Latitude:**	40° 1' 17.850 N
	+E/-W	0.0 usft	**Easting:**	2,024,935.92 usft	**Longitude:**	110° 7' 36.830 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	5,990.0 usft	**Ground Level:**	5,980.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/14/2012	11.22	65.74	52,155

Design Actual

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	29.61

Survey Program **Date** 12/10/2013

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
373.0	6,249.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
373.0	0.50	114.10	373.0	0.2	-0.7	1.5	0.13	0.13	0.00
403.0	0.50	110.40	403.0	0.2	-0.8	1.7	0.11	0.00	-12.33
434.0	0.60	89.40	434.0	0.3	-0.8	2.0	0.72	0.32	-67.74
464.0	0.80	97.90	464.0	0.4	-0.8	2.4	0.75	0.67	28.33
494.0	1.10	84.80	494.0	0.7	-0.8	2.9	1.23	1.00	-43.67
525.0	1.40	73.70	525.0	1.1	-0.7	3.5	1.24	0.97	-35.81
555.0	1.70	63.90	555.0	1.8	-0.4	4.3	1.33	1.00	-32.67
586.0	2.00	55.00	586.0	2.6	0.1	5.1	1.34	0.97	-28.71
615.0	2.20	44.80	614.9	3.6	0.8	5.9	1.46	0.69	-35.17
646.0	2.50	38.20	645.9	4.9	1.7	6.8	1.30	0.97	-21.29
676.0	2.90	32.50	675.9	6.3	2.9	7.6	1.60	1.33	-19.00
706.0	3.30	25.50	705.8	7.9	4.3	8.4	1.83	1.33	-23.33
736.0	3.90	26.20	735.8	9.8	6.0	9.2	2.01	2.00	2.33
766.0	4.30	20.30	765.7	11.9	8.0	10.0	1.94	1.33	-19.67
797.0	5.00	22.10	796.6	14.4	10.3	11.0	2.31	2.26	5.81
827.0	5.70	20.80	826.5	17.2	12.9	12.0	2.37	2.33	-4.33
857.0	6.20	20.40	856.3	20.2	15.8	13.1	1.67	1.67	-1.33
887.0	6.80	21.30	886.1	23.6	19.0	14.3	2.03	2.00	3.00
918.0	7.10	19.60	916.9	27.3	22.5	15.6	1.17	0.97	-5.48
948.0	7.70	20.30	946.6	31.1	26.2	16.9	2.02	2.00	2.33
979.0	8.20	20.80	977.3	35.3	30.2	18.4	1.63	1.61	1.61
1,009.0	8.30	22.60	1,007.0	39.6	34.2	20.0	0.92	0.33	6.00
1,039.0	8.80	23.00	1,036.7	44.0	38.3	21.7	1.68	1.67	1.33
1,082.0	9.50	25.60	1,079.1	50.8	44.5	24.6	1.89	1.63	6.05
1,128.0	10.10	26.60	1,124.5	58.6	51.5	28.0	1.36	1.30	2.17
1,172.0	10.90	29.60	1,167.7	66.7	58.6	31.8	2.20	1.82	6.82

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
1,216.0	11.50	31.80	1,210.9	75.2	66.0	36.1	1.67	1.36	5.00
1,262.0	12.30	30.50	1,255.9	84.7	74.1	41.0	1.83	1.74	-2.83
1,305.0	12.90	29.80	1,297.9	94.1	82.2	45.8	1.44	1.40	-1.63
1,351.0	13.60	29.60	1,342.6	104.6	91.3	51.0	1.52	1.52	-0.43
1,397.0	14.30	30.80	1,387.3	115.7	100.9	56.6	1.65	1.52	2.61
1,441.0	14.80	30.20	1,429.9	126.7	110.5	62.2	1.19	1.14	-1.36
1,485.0	14.90	29.30	1,472.4	138.0	120.2	67.8	0.57	0.23	-2.05
1,531.0	15.30	29.30	1,516.8	150.0	130.7	73.6	0.87	0.87	0.00
1,577.0	15.50	29.30	1,561.2	162.2	141.3	79.6	0.43	0.43	0.00
1,620.0	15.60	28.40	1,602.6	173.7	151.4	85.2	0.61	0.23	-2.09
1,666.0	15.70	27.60	1,646.9	186.1	162.4	91.0	0.52	0.22	-1.74
1,712.0	15.70	28.10	1,691.2	198.6	173.4	96.8	0.29	0.00	1.09
1,756.0	15.60	27.10	1,733.5	210.5	183.9	102.3	0.65	-0.23	-2.27
1,802.0	15.50	27.10	1,777.9	222.8	194.9	107.9	0.22	-0.22	0.00
1,845.0	15.40	26.30	1,819.3	234.2	205.1	113.1	0.55	-0.23	-1.86
1,891.0	14.50	26.20	1,863.7	246.1	215.8	118.3	1.96	-1.96	-0.22
1,937.0	14.30	26.20	1,908.3	257.5	226.0	123.4	0.43	-0.43	0.00
1,981.0	13.90	27.60	1,951.0	268.2	235.6	128.2	1.19	-0.91	3.18
2,024.0	13.10	29.40	1,992.8	278.2	244.4	133.0	2.10	-1.86	4.19
2,070.0	11.60	31.80	2,037.7	288.1	252.9	138.0	3.45	-3.26	5.22
2,114.0	11.50	31.70	2,080.8	296.9	260.4	142.6	0.23	-0.23	-0.23
2,158.0	11.40	30.70	2,124.0	305.6	267.9	147.2	0.51	-0.23	-2.27
2,204.0	11.60	31.00	2,169.0	314.8	275.7	151.9	0.45	0.43	0.65
2,248.0	11.80	30.40	2,212.1	323.7	283.4	156.4	0.53	0.45	-1.36
2,294.0	11.90	31.90	2,257.1	333.1	291.5	161.3	0.70	0.22	3.26
2,340.0	11.70	33.50	2,302.2	342.5	299.4	166.4	0.83	-0.43	3.48
2,383.0	11.80	33.50	2,344.3	351.2	306.7	171.2	0.23	0.23	0.00

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,427.0	12.10	33.50	2,387.3	360.3	314.3	176.3	0.68	0.68	0.00
2,473.0	12.50	31.00	2,432.3	370.1	322.6	181.5	1.45	0.87	-5.43
2,519.0	13.00	31.40	2,477.1	380.3	331.3	186.7	1.10	1.09	0.87
2,564.0	13.30	30.30	2,520.9	390.5	340.1	192.0	0.87	0.67	-2.44
2,608.0	13.80	30.20	2,563.7	400.8	349.0	197.2	1.14	1.14	-0.23
2,654.0	14.40	31.00	2,608.3	412.0	358.6	202.9	1.37	1.30	1.74
2,698.0	14.60	30.90	2,650.9	423.0	368.1	208.5	0.46	0.45	-0.23
2,744.0	15.10	31.30	2,695.4	434.8	378.2	214.6	1.11	1.09	0.87
2,788.0	15.20	31.30	2,737.9	446.3	388.0	220.6	0.23	0.23	0.00
2,834.0	15.40	31.60	2,782.2	458.4	398.3	226.9	0.47	0.43	0.65
2,879.0	15.60	32.20	2,825.6	470.5	408.5	233.3	0.57	0.44	1.33
2,925.0	15.80	31.00	2,869.9	482.9	419.1	239.8	0.83	0.43	-2.61
2,971.0	15.40	30.20	2,914.2	495.3	429.8	246.1	0.99	-0.87	-1.74
3,015.0	15.40	28.20	2,956.6	507.0	440.0	251.8	1.21	0.00	-4.55
3,060.0	15.40	27.50	3,000.0	518.9	450.6	257.4	0.41	0.00	-1.56
3,106.0	14.10	25.60	3,044.5	530.6	461.0	262.6	3.02	-2.83	-4.13
3,150.0	14.00	25.40	3,087.2	541.2	470.7	267.2	0.25	-0.23	-0.45
3,194.0	14.90	26.10	3,129.8	552.2	480.6	272.0	2.08	2.05	1.59
3,238.0	15.50	27.30	3,172.2	563.7	490.9	277.2	1.54	1.36	2.73
3,284.0	15.60	28.20	3,216.5	576.0	501.8	282.9	0.57	0.22	1.96
3,328.0	15.80	29.60	3,258.9	587.9	512.2	288.7	0.97	0.45	3.18
3,373.0	16.00	30.20	3,302.2	600.3	522.9	294.8	0.58	0.44	1.33
3,419.0	16.40	30.00	3,346.3	613.1	534.0	301.3	0.88	0.87	-0.43
3,465.0	16.40	30.30	3,390.5	626.1	545.2	307.8	0.18	0.00	0.65
3,511.0	16.30	31.10	3,434.6	639.0	556.3	314.4	0.54	-0.22	1.74
3,555.0	16.20	31.00	3,476.9	651.4	566.9	320.8	0.24	-0.23	-0.23
3,600.0	15.70	30.60	3,520.1	663.7	577.5	327.1	1.14	-1.11	-0.89

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
3,644.0	15.20	29.60	3,562.5	675.4	587.7	333.0	1.29	-1.14	-2.27
3,688.0	14.60	29.00	3,605.1	686.8	597.5	338.5	1.41	-1.36	-1.36
3,734.0	14.40	28.00	3,649.6	698.3	607.6	344.0	0.70	-0.43	-2.17
3,780.0	14.40	28.30	3,694.1	709.7	617.7	349.4	0.16	0.00	0.65
3,823.0	14.10	27.90	3,735.8	720.3	627.1	354.4	0.73	-0.70	-0.93
3,869.0	14.20	29.20	3,780.4	731.5	636.9	359.8	0.72	0.22	2.83
3,913.0	14.30	30.40	3,823.1	742.4	646.3	365.1	0.71	0.23	2.73
3,959.0	14.50	32.10	3,867.6	753.8	656.1	371.1	1.02	0.43	3.70
4,003.0	14.30	32.00	3,910.2	764.7	665.4	376.9	0.46	-0.45	-0.23
4,047.0	14.10	33.30	3,952.9	775.5	674.5	382.7	0.86	-0.45	2.95
4,090.0	13.90	32.70	3,994.6	785.9	683.2	388.4	0.57	-0.47	-1.40
4,134.0	13.50	32.80	4,037.4	796.3	692.0	394.0	0.91	-0.91	0.23
4,178.0	12.90	33.60	4,080.2	806.3	700.4	399.5	1.43	-1.36	1.82
4,222.0	12.70	33.40	4,123.1	816.0	708.5	404.9	0.47	-0.45	-0.45
4,268.0	13.00	32.60	4,168.0	826.3	717.1	410.5	0.76	0.65	-1.74
4,312.0	13.20	32.00	4,210.8	836.2	725.5	415.8	0.55	0.45	-1.36
4,356.0	13.10	32.60	4,253.7	846.2	734.0	421.1	0.38	-0.23	1.36
4,402.0	12.80	32.90	4,298.5	856.5	742.7	426.7	0.67	-0.65	0.65
4,445.0	12.70	33.10	4,340.4	866.0	750.6	431.9	0.25	-0.23	0.47
4,489.0	13.00	31.00	4,383.3	875.8	758.9	437.1	1.26	0.68	-4.77
4,533.0	13.10	29.40	4,426.2	885.7	767.5	442.1	0.85	0.23	-3.64
4,579.0	13.40	30.20	4,471.0	896.2	776.6	447.3	0.76	0.65	1.74
4,625.0	13.20	30.80	4,515.7	906.8	785.8	452.7	0.53	-0.43	1.30
4,669.0	12.80	30.20	4,558.6	916.7	794.3	457.7	0.96	-0.91	-1.36
4,712.0	12.70	32.60	4,600.6	926.2	802.4	462.7	1.25	-0.23	5.58
4,756.0	12.70	35.20	4,643.5	935.8	810.4	468.0	1.30	0.00	5.91
4,800.0	13.00	32.90	4,686.4	945.6	818.5	473.5	1.35	0.68	-5.23

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,844.0	12.90	30.60	4,729.3	955.4	826.9	478.7	1.19	-0.23	-5.23
4,888.0	12.60	30.50	4,772.2	965.2	835.3	483.6	0.68	-0.68	-0.23
4,932.0	12.70	31.20	4,815.1	974.8	843.5	488.6	0.42	0.23	1.59
4,976.0	12.80	30.30	4,858.0	984.5	851.9	493.6	0.51	0.23	-2.05
5,021.0	12.70	28.30	4,901.9	994.4	860.5	498.4	1.01	-0.22	-4.44
5,065.0	12.90	27.40	4,944.8	1,004.2	869.2	503.0	0.64	0.45	-2.05
5,111.0	12.60	26.80	4,989.7	1,014.3	878.2	507.6	0.71	-0.65	-1.30
5,154.0	12.50	28.20	5,031.7	1,023.6	886.5	511.9	0.74	-0.23	3.26
5,200.0	12.90	29.20	5,076.5	1,033.8	895.4	516.8	0.99	0.87	2.17
5,246.0	13.10	27.50	5,121.3	1,044.1	904.5	521.7	0.94	0.43	-3.70
5,290.0	12.90	24.50	5,164.2	1,054.0	913.4	526.0	1.60	-0.45	-6.82
5,335.0	12.90	24.20	5,208.1	1,064.0	922.5	530.2	0.15	0.00	-0.67
5,381.0	13.20	23.40	5,252.9	1,074.3	932.0	534.3	0.76	0.65	-1.74
5,425.0	12.50	22.30	5,295.8	1,084.0	941.0	538.2	1.69	-1.59	-2.50
5,471.0	12.20	23.50	5,340.7	1,093.8	950.1	542.0	0.86	-0.65	2.61
5,515.0	12.00	25.20	5,383.8	1,103.0	958.5	545.8	0.93	-0.45	3.86
5,560.0	11.70	27.80	5,427.8	1,112.2	966.8	549.9	1.36	-0.67	5.78
5,606.0	11.30	27.80	5,472.9	1,121.4	974.9	554.2	0.87	-0.87	0.00
5,650.0	11.10	26.70	5,516.0	1,129.9	982.5	558.1	0.67	-0.45	-2.50
5,694.0	11.80	28.30	5,559.2	1,138.6	990.2	562.1	1.75	1.59	3.64
5,740.0	12.60	30.70	5,604.1	1,148.4	998.7	566.9	2.06	1.74	5.22
5,784.0	12.90	29.80	5,647.0	1,158.1	1,007.1	571.8	0.82	0.68	-2.05
5,830.0	13.20	30.10	5,691.8	1,168.5	1,016.1	577.0	0.67	0.65	0.65
5,873.0	13.40	29.30	5,733.7	1,178.3	1,024.6	581.9	0.63	0.47	-1.86
5,919.0	13.40	28.40	5,778.4	1,189.0	1,034.0	587.0	0.45	0.00	-1.96
5,965.0	14.00	29.90	5,823.1	1,199.9	1,043.5	592.3	1.52	1.30	3.26
6,009.0	14.30	30.00	5,865.8	1,210.7	1,052.8	597.7	0.68	0.68	0.23

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well W-16-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	W-16-9-16 @ 5992.0usft (Original Well Elev)
Well:	W-16-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,055.0	13.70	30.30	5,910.4	1,221.8	1,062.4	603.3	1.31	-1.30	0.65
6,100.0	12.90	29.90	5,954.2	1,232.1	1,071.4	608.5	1.79	-1.78	-0.89
6,144.0	12.20	30.10	5,997.2	1,241.7	1,079.7	613.3	1.59	-1.59	0.45
6,188.0	12.40	30.20	6,040.2	1,251.1	1,087.8	618.0	0.46	0.45	0.23
6,249.0	12.40	30.20	6,099.7	1,264.2	1,099.1	624.6	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

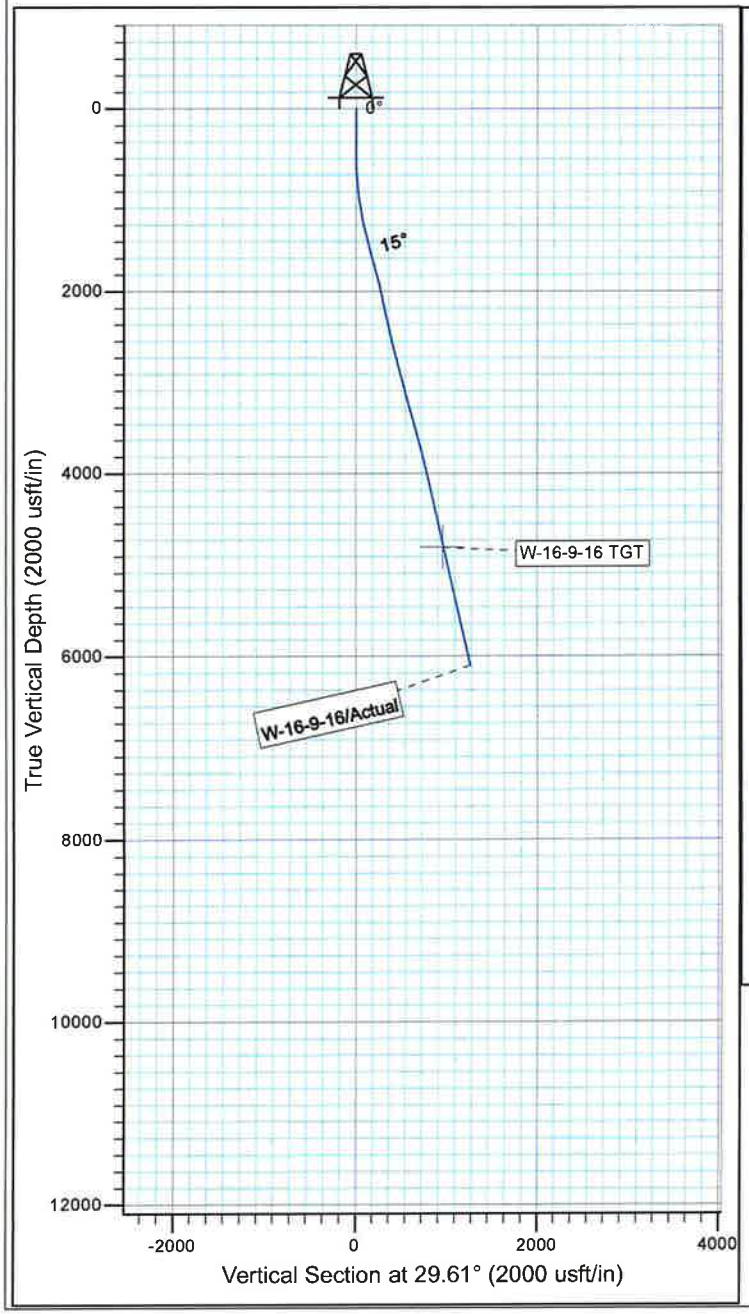
NEWFIELD

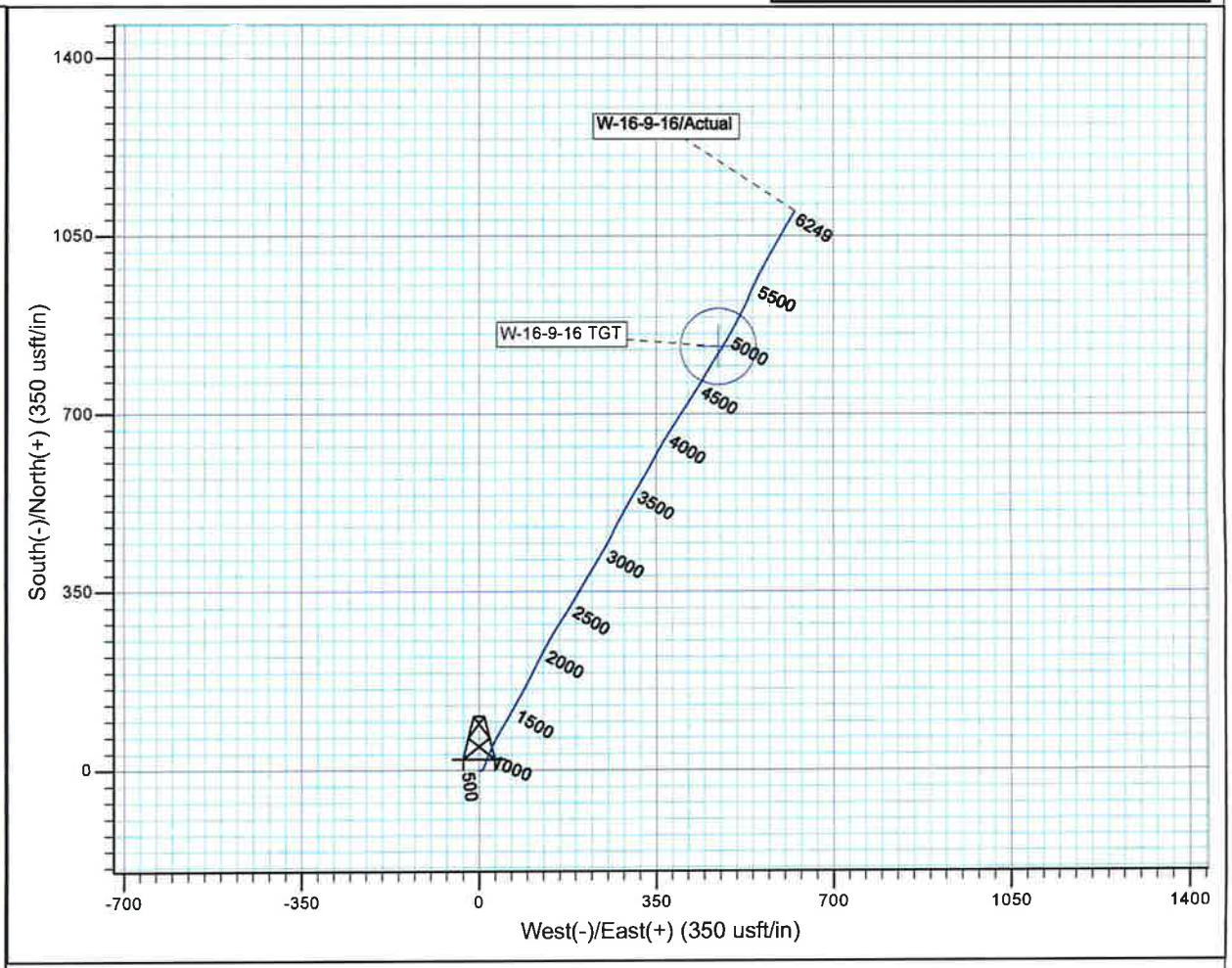
Project: USGS Myton SW (UT)
Site: SECTION 21 T9S, R16E
Well: W-16-9-16
Wellbore: Wellbore #1
Design: Actual

T M

Azimuths to True North
Magnetic North: 11.22°

Magnetic Field
Strength: 52154.6snT
Dip Angle: 65.74°
Date: 5/14/2012
Model: IGRF2010





PAYZONE DIRECTIONAL

Design: Actual (W-16-9-16/Wellbore #1)

Created By: Matthew Linton Date: 14:07, December 10 20

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA

NEWFIELD

Summary Rig Activity

Well Name: GMBU W-16-9-16

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
12/30/2013	12/31/2013	Run CBL, test csg/BOPS/vlvs and perf stg 1.

Start Time	End Time	Comment
00:00	06:30	
06:30	06:45	
06:45	07:00	
07:00	09:00	Run CBL log
09:00	11:00	Pressure test csg to 4300 psi for 30 min. Test each component of the well control stack w/ low test of 250-300 psi for 5 min & high test of 4300 psi for 10 min.
11:00	12:00	Perforate stage 1
12:00	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
12/31/2013	1/2/2014	Wait on frac crew

Start Time	End Time	Comment
00:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/2/2014	1/3/2014	Frac & flowback well

Start Time	End Time	Comment
00:00	04:00	SDFN
04:00	07:00	RU Halliburton frac equipment.
07:00	07:45	Frac stg 1, CP1 sds w/ 20,000#s 20/40 white sand in 140 bbls Delta 140 17# fluid. Open pressure 0 psi. Broke @ 3561 psi w/ 2.0 bbls @ 5.7 bpm. ISDP 1611 psi, FG:.74, 1 min SIP 1402 psi. Avg rate 22.5 BPM, avg pressure 2600 psi, max rate 24.4 bpm, Max pressure 2996 psi. ISIP 1614 psi, FG.74, 5 min SIP1436 psi, 10 min SIP 1393 psi, 15 min SIP 1363 psi.
07:45	08:30	RIH w/ Weatherford 6K flow through frac plug & perf guns. Set plug @ 5270'. Perforate A1 & B2 sands.
08:30	09:00	Frac stg 2, A1 & B2 sds w/ 37,300#s 20/40 white sand in 282 bbls Delta 140 17# fluid. Open pressure 1291 psi. Broke @ 1754 psi w/ 5.0 bbls @ 5.4 bpm. ISDP 1607 psi, FG:.77. Avg rate 22.8 BPM, avg pressure 2136 psi, max rate 29.6 bpm, Max pressure 2354 psi. ISIP 1981 psi, FG.84, 5 min SIP1638 psi, 10 min SIP 1618 psi, 15 min SIP 1565 psi.
09:00	09:36	RIH w/ Weatherford 6K flow through frac plug & perf guns. Set plug @ 5020'. Perforate B.5 & C sands.
09:36	10:00	Frac stg 3, B.5 & C sds w/ 35,000#s 20/40 white sand in 234 bbls Delta 140 17# fluid. Open pressure 1422 psi. Broke @ 4169 psi w/ 4.0 bbls @ 2.0 bpm. ISDP 1535 psi, FG:.76. Avg rate 27.5 BPM, avg pressure 2609 psi, max rate 29.7 bpm, Max pressure 2871 psi. ISIP 1817 psi, FG.82, 5 min SIP1451 psi, 10 min SIP 1414 psi, 15 min SIP 1385 psi.
10:00	10:45	RIH w/ Weatherford 6K flow through frac plug & perf guns. Set plug @ 4840'. Perforate D1 & PB11 sands.

Start Time	End Time	Comment
10:45	11:30	Frac stg 4, D1 & PB11 sds w/ 66,000#s 20/40 white sand in 483 bbls Delta 140 17# fluid. Open pressure 1205 psi. Broke @ 3751 psi w/ 10.0 bbls @ 10.9 bpm. ISDP 1469 psi, FG:.77. Avg rate 21.7 BPM, avg pressure 3576 psi, max rate 24.2 bpm, Max pressure 4119 psi. ISIP 1706 psi, FG.82, 5 min SIP1543 psi, 10 min SIP 1493 psi, 15 min SIP 1468 psi.
11:30	12:00	RIH w/ Weatherford 6K flow through frac plug & perf guns. Set plug @ 4350'. Perforate GB6 & GB2 sands.
12:00	12:30	Frac stg 5, GB6 & GB2 sds w/ 60,000#s 20/40 white sand in 447 bbls Delta 140 17# fluid. Open pressure 1298 psi. Broke @ 1792 psi w/ 2.7 bbls @ 5.7 bpm. ISDP 1377 psi, FG:.78. Avg rate 21.3 BPM, avg pressure 3421 psi, max rate 24.3 bpm, Max pressure 4168 psi. ISIP 1346 psi, FG.77, 5 min SIP1124 psi, 10 min SIP 1097 psi, 15 min SIP 1069 psi.
12:30	15:30	Open well for flowback @ approx. 4 bpm. Well flowed for 2 hours & died. RU heater & tarp well head to keep from freezing.
15:30	00:00	SWIFN

Report Start Date	Report End Date	24hr Activity Summary
1/3/2014	1/6/2014	Set kill plug. NU drillout stack. MIRUSU.

Start Time	End Time	Comment
00:00	06:00	SDFN.
06:00	09:00	RU Extreme WL truck. RIH w/ 6K solid plug. Set plug @ 4000'. Bleed pressure off well.
09:00	16:00	Empty remaining fluid from frac tanks & remove tanks from location. Wait for rig to arrive
16:00	17:00	Road rig to location
17:00	18:00	SET BOPS W/ CRANE, SPOTTED IN PUMP/PIT,Z-TANK, REMOVED THREAD PROTECTORS ON TBG
18:00	19:00	Rig up rig
19:00	20:30	Crew travel
20:30	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/6/2014	1/7/2014	Pressure test BOPs. PU tbg & tag kill plug

Start Time	End Time	Comment
00:00	05:30	SDFN
05:30	07:00	Crew travel
07:00	10:00	Knight accumulator that had been delivered had a broken line on manifold. Wait for replacement accumulator
10:00	12:00	Pressure test Knight double pipe rams. Testing hydraulic chambers for 5 min each w/ 3000 psi from closing unit. Pressure test pipe rams w/ low test of 250-300 psi for 5 min & high test of 5000 psi for 10 min.
12:00	14:00	rebuild rig pump while waiting for pipe wrangler
14:00	17:30	PU 1-4 3/4" MILL BIT, 1-REG TO EUE X-OVER SUB, 125-2 7/8" JTS TBG, TAGGED KILL PLUG @ 4000' LD 1-JT TBG, SDFN

Start Time	End Time	Comment
17:30	19:00	Crew travel
19:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/7/2014	1/8/2014	Drill out kill plug & first 3 frac plugs.

Start Time	End Time	Comment
00:00	05:30	SDFN
05:30	07:00	Crew travel
07:00	10:00	SAFETY MEETING. PU SWIVEL, PU 1-JT TBG, TAGGED KILL PLUG, CAUGHT CIRCULATION W/ 35 BBLS, 30 MIN DRILL OUT, PLUG FELL THROUGH, TIH 2 JTS TBG, PLUG HUNG UP, DRILLED ON HUNG UP PLUG FOR 20 MIN FELL THROUGH, HUNG SWIVEL, TIH 8 JTS TBG
10:00	12:00	SWIVELED UP, CAUGHT CIRCULATION W/ 15 BBLS, 40 MIN DRILL OUT, SWIVELED IN 1 JT TBG, PLUG HUNG UP, DRILLED ON FOR 10 MIN, FELL THROUGH, SWIVELED IN 1 JT TBG, HUNG UP ON PLUG, 10 MIN DRILL OUT
12:00	17:00	HUNG BACK SWIVEL, TIH 13 JTS BT, PU SWIVEL, TAGGED PLUG, CAUGHT CIRCULATION W/ 10 BBLS, 40 MIN DRILL OUT, SWIVELED IN 1 JT PLUG HUNG UP, 10 MIN DRILL OUT, FELL THROUGH, SWIVELED IN 2 JTS TBG, PLUG HUNG UP, 10 MIN DRILL OUT, SWIVELED IN 2 JTS TBG, TAGGED PLUG, 54 MIN DRILL OUT FELL THROUGH SWIVELED IN 2 JTS
17:00	17:30	CIRCULATED WELL CLEAN, DRAINED/ WINTERIZED PUMP,SIWFN
17:30	19:00	CIRCULATED WELL CLEAN, DRAINED/ WINTERIZED PUMP,SIWFN
19:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/8/2014	1/9/2014	Drill out remaining plug. Clean out to PBTD. TOOH w/ tbg & TIH w/ BHA & kill string

Start Time	End Time	Comment
00:00	05:30	SDFN
05:30	07:00	Crew travel
07:00	09:00	PU SWIVEL, PU 1-JT TBG, TAGGED PLUG CAUGHT CIRCULATION W/ 25 BBLS, 40 MIN DRILL OUT, CIRCULATED 35 BBLS
09:00	10:30	HUNG BACK SWIVEL, PU 19 JTS TBG TAGGED FILL
10:30	14:30	RU SWIVEL, CIRCULATED IN 2-JTS TBG, PLUG HUNG UP DRILLED OUT 20 MIN, CIRCULATED IN 6-JTS TBG CLEANING OUT SAND. RAN OUT OF WATER.
14:30	15:00	WAIT FOR WATER. WHEN WATER ARRIVED TBG HAD PLUGGED OFF UNABLE TO CATCH CIRCULATION
15:00	16:00	RACKED OUT POWER SWIVEL DRAINED PUMP LINES\WINTERIZED PUMP
16:00	19:00	TOOH 190-JTS TBG, 40-JTS TBG PACKED OFF W/ SAND, HAD TO CLEAN OUT TBG
19:00	20:30	MADE UP BHA, 1-NC, 2-JTS TBG, 1-[SN, 1-JT TBG, 1-TAC, TIH 40-JTS TBG, SIWFN

NEWFIELD

Summary Rig Activity

Well Name: GMBU W-16-9-16

Start Time	End Time	Comment
20:30	22:00	Crew travel
22:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/9/2014	1/10/2014	Continue TIH w/ tbg. Tag fill. LD extra tbg. Set TA & NU wellhead. PU rods

Start Time	End Time	Comment
00:00	05:30	SDFN
05:30	07:00	Crew Travel
07:00	11:00	BLEW DOWN WELL TIH 148-JTS TBG. PU 1-JT TBG TAGGED SAND TOP @6152 LD 12-JTS TBG
11:00	12:00	RU RIG FLOOR ND BOP DRILOUT STACK, MOVED DOUBLE PIPE RAMES TO NEXT WELL NIPPLED UP
12:00	13:00	PREPED ROD STRING, MOVED PIPE RACKS TO NEXT WELL, UNLOADED TBG FOR NEXT WELL PT BOPS FOR NEXT WELL
13:00	18:00	PU PUMP/PRIMED, PU ROD STRING AS FOLLOWS, CH 2-1/2" x 1-3/4" x 20' x 24' RHAC ROD PUMP, 30-7/8" 4PER RODS, 134- 3/4" 4PER, 1-1/2" x 30' POLISH ROD, LOADED TBG W/ 10 BBLS, STROKE TESTED UP TO 800 PSI GOOD TEST, SIWFN, DRAINED PUMP/PUMP LINES, WINTERIZED PUMP
18:00	19:30	Crew Travel
19:30	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/10/2014	1/10/2014	RU pumping unit. RDMOSU.

Start Time	End Time	Comment
00:00	05:30	SDFN
05:30	07:00	crew travel
07:00	09:00	FOUND TAG W/ RIG, UNABLE TO GET PU STARTED, HUNG HORSE HEAD, MEASURED STROKE LENGTH, HUNG RODS IN BRIDAL
09:00	10:30	RD RIG MOVED OVER TO NEXT WELL

NEWFIELD

Schematic

43-013-51579

Well Name: GMBU W-16-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
NENW 726 FNL 1924 FWL Sec 21 R16E Mer SLB	43013515790000	500353413	UTU64379	Utah	GMBU CTB5	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
11/26/2013	12/10/2013		5,990	5,980	Original Hole - 6,099.8	Original Hole - 6,187.5

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	12/30/2013	1/10/2014

TD: 6,249.0

Slant - Original Hole, 2/28/2014 6:30:05 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS
-14.1	-14.1	0.0	DLS (°... 0 — 4
	9.8		
10.2	10.2	0.0	
	10.8		
12.1	12.1	0.0	
	14.1		
15.1	15.1	0.0	
	15.7		
55.1	55.1	0.1	
	277.9		
278.9	278.9	0.4	
	321.5		
322.8	322.8	0.4	
	328.1		
1,590.9	1,574.5	15.5	
	3,396.7		
3,483.9	3,408.6	16.4	
	4,014.0		
4,111.9	4,015.9	13.7	
	4,177.6		
4,282.2	4,181.7	13.1	
	4,431.1		
4,539.0	4,432.1	13.1	
	4,447.7		
4,556.1	4,448.7	13.3	
	4,661.0		
4,775.9	4,662.9	12.8	
	4,666.7		
4,782.2	4,669.0	12.9	
	4,805.3		
4,922.9	4,806.2	12.7	
	4,813.3		
4,931.1	4,814.2	12.7	
	4,823.8		
4,975.1	4,857.1	12.8	
	4,860.9		
5,044.0	4,924.3	12.8	
	4,926.2		
5,180.1	5,057.1	12.7	
	5,059.1		
5,190.0	5,066.7	12.8	
	5,068.7		
5,679.5	5,544.9	11.6	
	5,547.8		
5,684.1	5,549.4	11.6	
	5,553.3		
5,690.9	5,556.2	11.8	
	5,579.6		
5,715.9	5,580.5	12.2	
	5,643.3		
5,780.8	5,644.0	12.9	
	6,039.5		
6,189.3	6,041.4	12.3	
	6,084.7		
6,234.3	6,085.4	12.4	
	6,099.8		

Vertical schematic (actual)

1-1; Tubing Hanger; 7; 2.441; 10-11; 0.90

1; Conductor; 14 in; 13.500 in; 10-15 ftKB; 5.00 ft

2; Surface; 8 5/8 in; 8.097 in; 10-323 ftKB; 312.93 ft

1-2; Tubing; 2 7/8; 2.441; 11-5,680; 5,668.58

Perforated; 4,110-4,112; 1/2/2014

Perforated; 4,278-4,282; 1/2/2014

Perforated; 4,538-4,539; 1/2/2014

Perforated; 4,555-4,556; 1/2/2014

Perforated; 4,774-4,776; 1/2/2014

Perforated; 4,780-4,782; 1/2/2014

Perforated; 4,922-4,923; 1/2/2014

Perforated; 4,930-4,931; 1/2/2014

Perforated; 4,975-4,979; 1/2/2014

Perforated; 5,044-5,046; 1/2/2014

Perforated; 5,180-5,182; 1/2/2014

Perforated; 5,190-5,192; 1/2/2014

1-3; Anchor/catcher; 5 1/2; 2.441; 5,680-5,682; 2.80

Perforated; 5,684-5,688; 12/30/2013

1-4; Tubing; 2 7/8; 2.441; 5,682-5,715; 32.62

1-5; Pump Seating Nipple; 2 7/8; 2.200; 5,715-5,716; 1.10

1-6; Tubing; 2 7/8; 2.441; 5,716-5,780; 64.27

1-7; Notched collar; 2 7/8; 2.441; 5,780-5,781; 0.50

3; Production; 5 1/2 in; 4.950 in; 10-6,234 ftKB; 6,224.41 ft